

ISSN 0951-0621

Biodeterioration Abstracts

A World Abstracts Journal covering the fields of
Materials and Environmental biodeterioration
and Biodegradation of Wastes

1994 Volume 8 Annual Indexes

Includes List of Source Journals

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Biodeterioration Abstracts

is a quarterly journal prepared from the CAB ABSTRACTS database
by the Soils Department of the DIVISION OF
NATURAL RESOURCES, FORESTRY AND ECONOMICS.

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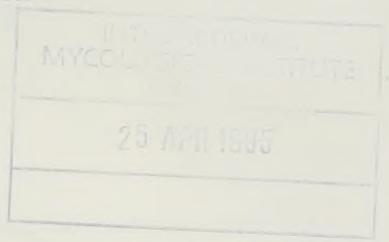
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Biodeterioration Abstracts



Volume 8



CAB INTERNATIONAL

Prepared by

CAB INTERNATIONAL
DIVISION OF NATURAL RESOURCES, FORESTRY AND ECONOMICS

1994

ISSN 0951-0621

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printed by

Cambrian Printers, Aberystwyth

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The International Mycological Institute (IMI), with a staff of about 65 and an annual budget of £1.9m, is the largest centre concerned with systematic mycology in the world. Founded in 1920, the Institute has from the first provided world services to mycologists and workers in related disciplines, particularly plant pathology, medical and veterinary mycology, and now also in industrial mycology, biodeterioration, biodiversity and biotechnology.

Biosystematic & Identification Services

Correct diagnosis of the cause of a disease, spoilage, or industrial problem is the first step in finding an appropriate solution. IMI provides a reliable, up-to-date identification service for about 4500 cultures and specimens each year, received from a wide variety of sources.

Staff are involved in wide-ranging research programmes on microfungal systematics. They produce about 70 scientific papers each year and also compile the *Dictionary of the Fungi*, *Index of Fungi*, *Bibliography of Systematic Mycology*, *Systema Ascomycetum*, *Descriptions of Fungi and Bacteria*, *Distribution Maps of Plant Diseases*, *Mycological Papers* and *Phytopathological Papers*.

Information on the submission of material and details of charges are available on request.

Genetic Resources Reference Collection

This Collection, which incorporates the UK National Collection of Fungus Cultures, maintains over 17,000 strains; it is one of the largest service collections for fungus cultures in the world. Plant bacteria and yeasts are also maintained.

Cultures are available for sale world-wide for industrial, scientific and educational use, and metabolic and physiological data on the strains held are actively added to the collection's databank.

The 10th edition of the Catalogue is available free of charge and lists over 11,000 strains available from the open collection. Additions to the collection are welcome, especially of fungi otherwise not represented in the collection or of biochemical, economic and industrial importance. The Collection is recognized as an International Depositary Authority for patent strains of fungi and bacteria under the terms of the Budapest Treaty.

Training Services

IMI offers a wide variety of training activities, ranging from postgraduate research degrees to one-day specialist seminars. Each year about eight longer courses, including an annual six-week International Course on the Identification of Fungi of Agricultural Importance, are held.

Overseas workshops, individual training and tuition for mycologists, plant pathologists and industrial staff are also arranged. Visiting research scientists are welcome to spend time at the Institute as part of their research work.

Plant Protection Services

The Institute's Plant Protection Laboratory incorporates the UK Overseas Development Administration Plant Pathology Liaison Unit. Backed by the expertise and information available within IMI, it provides disease diagnosis, technical support, and consultancy services for agricultural scientists, advisers, growers and shippers worldwide. Research is also undertaken, primarily on specific problems relating to pathogen variability and characterization.

Further details

Please write, fax or telephone for our current Services and Publications booklet and any further information on specific services that you may require. All work is carried out by IMI on a confidential basis, and we will be pleased to discuss your individual requirements without obligation.

Consultancy & Contract Services

IMI is able to undertake consultancy assignments involving surveys of disease or other problems, and offers consultancy and contract research in any of its fields of activity. Staff can also assist in the preparation of mycological publications on a contract basis.

Industrial & Environmental Laboratory

The laboratory is accredited under the UK National Measurement Accreditation Service (NAMAS) and carries out a wide variety of industrial testing, contract research and consultancies involving non-food materials. Services involving organisms other than fungi can also be arranged, and a tropical testing facility is available.

Yeast Investigations Laboratory

A specialist laboratory, headed by Professor R. R. Davenport, has been established in IMI. It provides consultancy, investigatory contract research and training facilities related to specific needs of the food and beverage industries, both in the UK and overseas.

Food Investigation

IMI's long-standing involvement in the food industry is now focussed through its Food Group, covering filamentous fungi, yeasts and bacteria. We offer producers, processors, manufacturers and distributors a comprehensive, confidential, microbiological service, including on-site investigations and training. For information resources, IMI has access to the International Food Information Service (IFIS).

Biochemistry & Molecular Biology Services

The Biochemistry & Molecular Biology Laboratory acts as a service unit within the Institute for routine and project work. Techniques currently available include detection and screening of fungal enzymes and secondary metabolites (including mycotoxins) and a number of methods for characterizing strains and taxa at a molecular level.

Bacteriology Laboratory

The laboratory offers a specialist identification service for plant pathogenic, biocontrol and industrially significant bacteria. Techniques currently available include quantitative fatty acid analysis, physiological test methods and molecular techniques involving the polymerase chain reaction (PCR).

Information

The IMI library holds a unique collection of literature on plant pathology, fungal systematics, medical and veterinary mycology, biodeterioration and fungal biotechnology. Its stocks consist of approximately 750 current journals, 7,000 volumes and books and 140,000 reprints.

Literature searches and studies can be carried out to specific individual requirements, and a photocopy service is also available to provide copies of original source literature.

BIODETERIORATION ABSTRACTS

READERS' GUIDE

Biodeterioration Abstracts is compiled from the CAB ABSTRACTS database, and includes occasional review articles on topics of importance.

It provides a quarterly survey of the more important recent world literature on the biodeterioration of the environment (environmental pollution by living organisms), materials, artefacts or facilities of economic importance (including foodstuffs, timber, fuels, construction materials, etc.) and on biodegradation of waste materials to less objectionable, more easily disposable or higher-value products by living organisms.

Less obvious topics covered include the biofouling of structures and materials; desulfurization of coal; the extraction of metal ores by microbiological methods; the biodegradation of environmentally hazardous chemicals; and the adsorption of heavy metals by microorganisms.

Biodeterioration Abstracts comprises 2 main parts - Biodeterioration and Biodegradation, with sections on microbiological techniques, reports, conferences and books spanning both.

Serial publications, including other abstracting journals, together with miscellaneous publications and books are scanned. Each year, material from over 500 journals is abstracted. An effort is made to note all new data; previously published information, well known facts and popular articles may be omitted. Some background papers are given very brief notices, and some of local or marginal interest are cited by titles only.

When consulting an entry the reader should remember that the title is an integral part of the abstract and may include data necessary for its full comprehension.

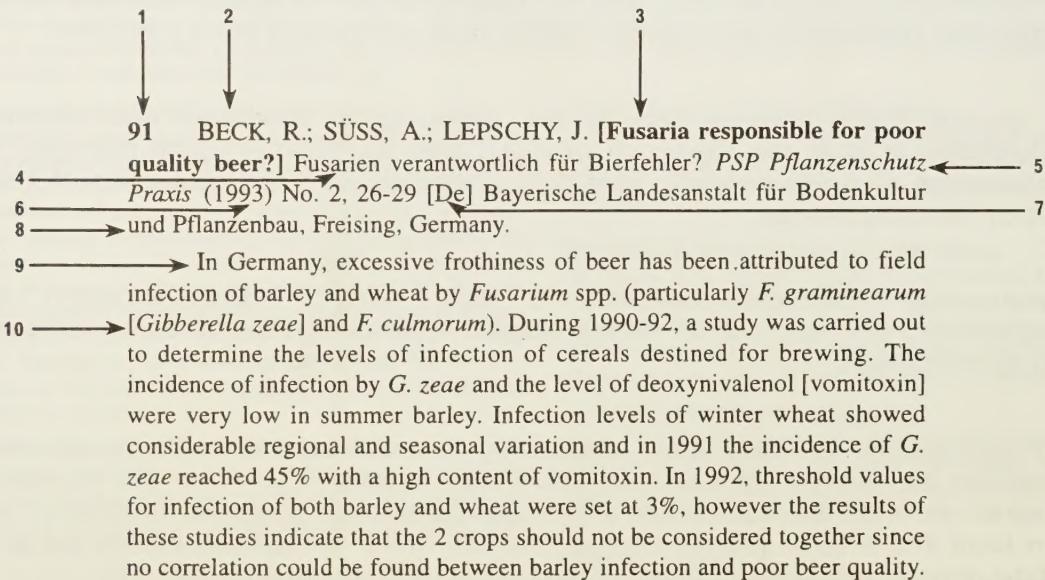
In a typical citation the name(s) of the author(s) are followed by the title of the paper in English. If the paper is written in a language other than English, the English translation of the title is enclosed in square brackets. The title in the original language, if not English, follows, except for Arabic, Chinese, Japanese, or languages in the Cyrillic script, etc. Journal titles are next given in unabbreviated form. The year of issue, in round brackets, the volume number, part number in round brackets, the first and last page numbers of the article complete the basic citation.

Supplementary details given in square brackets include the language of the paper and the language of any summary or summaries in languages other than that of the paper ; and there may also be included the number of references. The affiliation of the first author is usually given.

A TYPICAL RECORD

The layout of an abstract is indicated below:

- | | |
|-------------------------------------|---|
| 1 Abstract number | 7 Language of text, and other
language of summaries, bibliographic details |
| 2 Author | 8 Organization where work was carried out |
| 3 Title in English | 9 Abstract |
| 4 Original title if in Roman script | 10 Preferred name, if author uses
another name |
| 5 Journal or other document | |
| 6 Year, volume, part and pagination | |



ABBREVIATIONS

In the abstract a number of easily understood or commonly used abbreviations are used. The initial letter of a genus may be used after its full name has appeared in a record, e.g. *Tribolium castaneum*, *T. confusum*.

In abbreviations for languages, an initial capital denotes the language of the paper, an initial small letter the language of the summary.

HOW TO USE BIODETERIORATION ABSTRACTS

Records can be scanned using the **CONTENTS** page or traced via the **INDEX**.

SCANNING ABSTRACTS USING THE **CONTENTS PAGE**

In the **Biodegradation** section the records are arranged wherever feasible under the substrate heading, e.g. spices, meat, dairy products, paint. More general records on, e.g. food storage, mycotoxins, food infestation or legislation will be found under FOODSTUFFS, GENERAL or BIODETERIORATION, GENERAL. Records more specifically about techniques, control or biodegradation organisms than the substrates are found under those more relevant headings. ENVIRONMENTAL POLLUTION has been positioned at the end of this section and includes biodegradation of the environment by organisms (ie algal blooms caused by eutrophication, pathogens, biological wastes). The reader will find cross-references here to papers on the biodegradation of environmental pollutants which have been included under the relevant heading in the **Biodegradation** section

In the **Biodegradation** section records are placed in the section most relevant to the subject, e.g. substrate being degraded, specific industry from which the treated waste is derived, type of treatment or biodegradation organism.

Where the record is relevant to other sections it is cross-referenced hence "See also" references under the main or sub-headings should also be consulted.

SEARCHING VIA THE INDEXES

Subject Index

Specific topics within the record are indexed. Records can be traced, for example, via the

substrate or type of waste, e.g. onions, meat, marine structures, timbers, logs, textiles, cattle manure, cellulosic wastes

organism e.g. rodents, *Thiobacillus ferrooxidans*, *Eichhornia crassipes*

biological treatment, e.g. anaerobic digestion; composting

country etc. where relevant, e.g. France; Latin America; Asia

chemicals or biocides whether used for control, as a biodegradable substrate or as a useful product of biodegradation.

Where appropriate, records are also indexed under **books**, **reviews**, **conferences**, etc.

Author Index

All authors of each paper are indexed alphabetically by surname. Variants of surname are also indexed.

A COPY OF MOST OF THE ORIGINAL ITEMS may be obtained by using the CAB International Document Delivery Service. A form is usually printed in each issue.

LIST OF JOURNALS CITED

The annual indexes now include an alphabetical list of all journals cited during the year.

COMMENTS FROM USERS are always welcome.

Please write to Liza Connor, Editor, Biodegradation Abstracts, Soils Department, Division of Natural Resources, Forestry and Economics, CAB INTERNATIONAL, Wallingford, Oxon OX10 8DE, UK

Biodeterioration Abstracts

Contents
Volume 8

Biodeterioration – general	9	125	265	397
Legislation and standardization	9	125	265	397
Education, training and information	9	125	265	397
Health, hygiene and pathogens	9	125	265	397
Analysis and sampling	10	129	268	399
Potable water	10	129	269	399
Foodstuffs – general	11	131	270	400
Animal feeds	15	138	276	405
Carbohydrates	–	–	–	406
Grain and pulses	16	139	277	406
Flour and bakery products	–	141	280	410
Sugar and confectionery products	–	–	281	410
Oilseeds, nuts and vegetable oils	17	141	281	410
Coffee, cocoa and tea	17	–	–	411
Tobacco	–	141	–	–
Spices and culinary herbs	17	141	282	412
Sauces, dressings, soups	–	141	282	412
Beverages	18	142	282	412
Fruit and vegetable juices	19	143	282	412
Prepared foods and salads	19	143	283	412
Horticultural produce	19	143	283	412
Fish and seafood	20	146	287	420
Meat and meat products	22	149	288	423
Poultry and eggs	25	152	291	429
Dairy products	27	155	292	431
Non-foodstuffs	27	160	297	437
Animal protein	27	–	297	–
Plant fibres	–	–	–	–
Timber	27	160	298	437
Paper	28	–	301	–
Textiles	28	–	–	441
Hydrocarbons, fuels and lubricants	28	–	–	–
Plastic polymers	29	–	301	441
Pharmaceuticals and cosmetics	29	163	301	441
Paint and surface coatings	29	163	–	442
Metals	29	–	301	442

Stone and concrete	30	163	-	442
Glass	-	-	-	-
Constructions	30	164	301	443
Fouling	31	165	303	443
Control	32	165	303	443
Preservation (physical)	33	166	304	445
Preservation (chemical)	33	166	304	445
Disinfection	34	167	305	445
Biodeterioration organisms	34	169	305	446
Environmental pollution	38	175	309	451
Water pollution	38	175	310	452
Freshwater pollution	38	175	310	452
Marine pollution	39	176	312	453
Air pollution	40	178	312	-
Soil pollution	40	179	312	453
Biodegradation - general	40	179	312	454
Legislation and standardization	40	179	312	454
Economics and information	40	179	313	454
Hygiene and pathogens	40	180	313	454
Analysis and sampling	40	180	313	455
Pollution control	42	180	314	455
Bioremediation	42	180	314	455
Biological waste treatment	43	182	316	457
Waste recycling (biological aspects)	54	192	328	468
Specific waste materials and compounds	62	196	332	471
Organic compounds	62	196	332	471
Cellulosic and lignocellulosic material	69	203	338	478
Petroleum hydrocarbons	73	211	342	481
Plastics	74	213	344	482
Phenols	75	214	345	482
Lipids	77	215	348	484
Starch	77	216	349	484
Biocides	77	216	-	485
Material protectants	-	217	349	-
Agricultural biocides	78	217	349	485
Fertilizers	-	-	-	-
Alcohols	78	218	351	487
Detergents	78	219	-	488
Heavy metals	79	220	351	488
Radioactive material	80	223	353	491
Specific industries	84	228	357	494
Food industry	85	228	358	494
Fermentation industry	85	229	358	-

Canneries	—	—	—	496
Dairies	86	230	359	496
Sugar industry	86	231	361	497
Pharmaceutical industry	—	232	—	498
Chemical industry	86	232	363	499
Wood preservation and biocide industries	—	233	—	—
Paint and coatings industries	87	—	—	—
Pulp and paper industries	87	233	363	500
Textile industry	88	234	365	500
Tanneries	89	—	366	501
Laundries	—	—	—	—
Water treatment	89	234	366	501
Rubber and plastics industries	—	236	—	—
Mining industry	89	236	367	501
Coal and coke industries	89	236	—	502
Metal and engineering industries	90	237	368	502
Power generation	90	—	—	—
Agriculture	90	237	—	502
Animal wastes	91	237	368	502
Cattle waste	91	237	368	503
Pig waste	91	237	368	503
Poultry waste	92	238	369	504
Silage	92	238	369	504
Municipal wastes	92	238	—	504
Biodegradation organisms	93	239	371	505
Microbiological techniques	100	249	380	514
Reports	—	—	384	517
Conferences	107	253	384	517
Books	107	253	384	518
AUTHOR INDEX	519			
SUBJECT INDEX	545			
List of source journals	i			

REVIEW ARTICLES

VOLUME 8

Psychotrophic proteolytic bacteria of dairy origin By R. Margesin and F. Schinner	1
The biology and treatment of <i>Serpula lacrymans</i> By Sarah C. Watkinson	160
Aerobic microbial degradation of aromatic compounds – a review of investigations performed in the former Soviet Union By V. I. Korzhenevich and A. Yu. Feodorov	255

AUTHOR INDEX

- Aal, S. I. A. 1177
 Aarnink, M. M. J. 1514
 Aarsman, C. J. M. 1888
 Ababouch, L. 746
 Abbar, F. M. 1892
 Abbott, J. A. 1290
 Abd-El-Ghani, S. 1330
 Abdalla, O. M. 783
 Abdel-Aal, S. I. 1177
 Abdel-Shafy, H. I. 2360
 Abdelhamid, A. M. 73
 Abdellah, M. S. 942
 Abdolkarim Asghari 1366
 Abdul-Karim, M. N. B. 1294
 Abdul-Raouf, U. M. 1924
 Abdullah, A. H. 1620
 Abe, A. 2219
 Abe, H. 374
 Abe, K. 1432
 Abe, S. 2539
 Abe, Y. 1497
 Abee, T. 1147
 Abei, K. 813
 Abielovich, A. 1709
 Abeysa, C., Jr. 747
 Ablett, R. F. 198
 Abo, T. 1987
 Abo-El-Ela, S. I. 535
 Abo-Elnaga, S. A. 537
 Abotsi, G. 2345
 Abou-Donia, S. A. 1349
 Abou El-Alla, A. A. 158
 Aboukhaled, A. 370
 Abramowicz, D. A. 1650
 Abramson, D. 701
 Abreu, A. 1765
 Abrini, J. 986
 Abu-Hilal, A. H. 850
 Abu-Seif, F. A. H. 713
 Acevedo, F. 2458
 Achenbach, R. 1517
 Achhammer, G. 2559
 Achi, O. K. 1116
 Ackerson, M. D. 2469
 Acosta, I. 195
 Acquaviva, M. 1624, 1634, 2307
 Acuff, G. R. 753, 812, 1964
 Adachi, Y. 284
 Adam, A. B. 850
 Adamec, O. 951
 Adams, J. Q. 1982
 Adams, W. J. 1411, 1735
 Adanin, V. M. 1565, 2218
 Adeyemi, I. G. 799
 Adhikary, R. K. 1595
 Adler, E. 1619
 Adler, N. 304, 908
 Adlercreutz, P. 608
 Admad, S. I. 1492
 Adney, W. S. 2489
 Aegepter, R. 2010
 Afek, U. 1304
 Afifal, M. E. 746
 Agar, G. 2490
 Agrawal, H. O. 440
 Agu, R. C. 1139
 Agudelo, J. 1911
 Aguiar, L. A. B. 815
 Agut, M. 213
 Aharoni, N. 1304
 Aharoni, Y. 1298
 Aharonson, N. 2314
 Ahlert, R. C. 1035, 2081
 Ahmad, D. 1625
 Ahmad, H. M. 1336
 Ahmad, K. 362
 Ahmad, N. 1395
 Aho, M. A. 155
 Ahonen, L. 479
 Ahring, B. K. 1438, 1515, 2102, 2284, 2481
 Ai, M. S. 1588
 Airoldi, C. 1571
 Aitken, M. D. 319, 357
 Aiyamperumal, B. 1383
 Ajay Singh 1582, 1607
 Ajmal Khan, S. 1383
 Akagi, J. M. 1081
 Akçin, G. 2358
 Åkerstrand, K. 1266, 1279
 Akhand, A. A. 1588
 Akhmedova, Z. R. 1608-1609
 Akhtar, M. E. 475
 Akiba, T. 1157
 Akimenko, V. K. 968, 1152
 Akimoto, K. 1162
 Akita, K. 1769
 Akizumi, K. 813
 Akoh, C. C. 1173
 Akopyan, E. A. 467
 Akre, R. D. 218
 Aksay, B. 1016
 Aksu, Z. 2337
 Akunna, J. 1556
 Al-Dagal, M. 1322
 Al-Harazin, I. M. 1032
 Al-Hashimi, A. 2166
 Al-Marshoud, S. 2094
 Al Salem, S. S. 1550
 Al-Smadi, B. M. 2139
 Al-Zaemey, A. B. 1296
 Alabaster, G. P. 1494
 Alam, S. I. 1780, 2494
 Alamancos, J. M. 364
 Albano, A. 518
 Albert, R. 61
 Alberts, J. F. 1897
 Albertsson, A. C. 1022
 Albrecht, J. J. 2317
 Albrecht, R. 1465
 Albrechtsen, H. J. 2162
 Alburquerque, S. S. M. C. de 815
 Alemany Verdú, J. E. 1862
 Alen, R. 2446
 Alesi, E. J. 1058
 Alexander, D. M. 822
 Alexander, J. E. 1392
 Alexander, M. 2045, 2058, 2197, 2228-2239, 2607
 Alfani, F. 430
 Ali, I. 1478
 Ali, T. A. 258
 Alic, M. 2258
 Alkanahl, H. A. 21
 Allah, A. M. K. 1101
 Allard, B. 481
 Alleman, B. C. 2304
 Allen, D. G. 397
 Allen, E. J. 138
 Allen, R. M. 2187
 Allenmark, S. 582
 Allison, G. E. 1807
 Allison, J. S. 901
 Allred, A. 1264
 Alm, B. 2137
 Allen, R. M. 2187
 Allenmark, S. 582
 Allison, G. E. 1807
 Allison, J. S. 901
 Allred, A. 1264
 Alm, B. 2137
 Alterthum, F. 2183
 Altomare, C. 96
 Aly, H. I. 535
 Al'zhanova, F. F. 787
 Amadioha, A. C. 139
 Amaral, L. A. do 1940
 Amaral de Araújo, S. 268
 Amaret, P. 566
 Amerlynck, P. 1454
 Amin, G. 1101
 Amin, M. B. 1021
 Amin, N. E. 1331
 Amit Banerjee 568
 Amitabha Das 599, 2504
 Amla, B. L. 1972
 Ammar, A. M. 1331
 Ammar, M. S. 1924
 Amadio Cochieri, R. 1401
 Amos, D. A. 2310
 Amra, H. 718
 Amy, B. C. 2304
 An, M. H. 1759
 Anagioto, C. 1535
 Anagnostou, G. 2362
 Anand, R. C. 2151
 Ananthapadmanabha, H. S. 216
 Ananthapadmanabha, M. S. 216
 Anaokar, S. L. 80
 Andel, J. G. van 333
 Ander, P. 2255
 Anderegg, M. 236
 Anders, C. L. 1871
 Andersen, B. M. 978
 Anderson, A. J. 2509
 Anderson, B. C. 880
 Anderson, C. 1653, 2368
 Anderson, D. L. 931
 Anderson, G. K. 349, 1442, 2425
 Anderson, S. 573, 1440
 Anderson, T. R. 1188
 Andersson, B. 1474
 Andersson, J. T. 2265
 Andersson, Y. 11
 Anderton, A. 18
 Ando, Y. 1899
 André, G. 1062
 Andreoni, V. 454, 2420
 Andrés, C. de 378
 Andrews, G. F. 2460
 Andrews, S. 1231, 1246, 1267, 1282
 Andrews, W. H. 1327
 Andrusch, T. 499
 Angelidakis, I. 1515
 Angelidakis, I. 2481
 Angelillo, I. F. 1401
 Angell, P. 807, 2578
 Angerer, B. 2559
 Angle, J. S. 300
 Anid, P. J. 1652
 Anila Mathu 2172
 Antisimova, L. A. 2347
 Anjaria, J. M. 751
 Annamalai, S. N. 861
 Annino, I. 1401
 Ano, T. 1144
 Antarikananda, P. 566
 Anthony, C. 960, 2326
 Antranikian, G. 1043
 Antworth, C. P. 1014
 Anzanel, D. 804
 Aoki, G. 775
 Aoki, M. A. Y. 1548
 Aono, R. 2550
 Aoude, D. 2414
 Aoyama, K. 277
 Aoyama, M. 252
 Ap Dewi, I. 645
 Aparisi, C. M. 1862
 Aparna, K. 631, 2589
 Apfel, R. A. 1088
 Appanna, V. D. 573
 Applegate, B. 1405
 Aragno, M. 1074
 Aragozzini, F. 1568
 Arai, M. 2507
 Araki, K. 1544
 Araújo, A. C. P. 1909
 Araújo, S. A. de 268
 Arbeloa, M. 2436
 Arbiol, M. 2114
 Arce Martínez, A. 2149
 Arcese, A. 430
 Archer, D. B. 1191
 Ardon, O. 1603
 Ariño, A. 169
 Arita, T. 814
 Armon, R. 1178, 2454
 Armstrong, S. 1580
- Arnason, J. T. 705
 Arnau, J. 1935
 Arnaud, A. 1791
 Arnaut, G. 1125
 Arnebrant, K. 298
 Arnone, A. 1401
 Arnold, R. G. 613
 Arora, D. K. 642
 Arp, D. J. 2542
 Arrage, A. A. 807, 2578
 Arridge, H. M. 614
 Arthur, F. H. 85
 Artola, A. 1063
 Arts, M. W. 545
 Arul, J. 1300
 Arulgnanendran, V. 2087
 Arvin, E. 2271
 Asai, Y. 842
 Asaki, T. 1639
 Asano, T. 1549
 Asghari, A. 1366
 Ashikari, T. 2181
 Asif, M. 2462
 Aspegren, H. 1474
 Aspinwall & Company Ltd. 553
 Assaf, N. A. 1664
 Assmus, B. 470
 Astakhov, V. A. 820
 Asthana, R. K. 1792
 Asther, M. 283, 283
 Atlas, R. M. 1372, 1418
 Attal, A. 1556
 Attia, I. A. 1349
 Aubert, J. P. 428
 Auclair, J. C. 1068, 1070, 2354, 2364
 Augusta, J. 1019
 Auling, G. 591
 Aurang Zeb, M. 460
 Aurangzeb, M. 460
 Aureli, P. 1859
 Ausmees, N. R. 2321
 Aust, S. D. 1563, 1575
 Avakyan, Z. A. 1080
 Avchieva, P. B. 1539
 Avenell, J. J. 2442
 Avery, S. M. 147
 Avetisyan, M. Zh. 467
 Avnimelech, Y. 902-903, 2387
 Awelewa, A. R. 1905
 Awny, N. M. 82
 Axelsson, L. 2553
 Axford, R. F. E. 645
 Aymard, M. 1179
 Aymerich, M. T. 1929
 Ayorinde, F. O. 1274
 Azachi, M. 1573
 Azari, P. 563-564
 Azin, M. 435
 Azzam, A. M. 2260
 Azzi, A. 57
 Bāāth, E. 298
 Babel, W. 2512
 Babu, C. R. 1421
 Baca, M. T. 895
 Bacchicocchi, I. 761, 1926
 Bachofen, R. 2505
 Back, J. P. 659
 Badawi, M. A. 537
 Badyal, K. 124-125, 133
 Bae, B. U. 337, 1518
 Bae, J. 1437
 Baecker, A. A. W. 1339
 Baerdemaeker, J. de 1316
 Baev, M. V. 945-946
 Baggesgård, H. 978
 Baggi, G. 454
 Bagy, M. M. K. 1617, 2269
 Bahr, K. H. 2313
 Bai, D. H. 2508
 Bailey, A. D. 486, 532
 Bailey, M. J. 436
 Bailey, R. L. 933
 Bainotti, A. E. 180, 1203

- Bains, W. 618
 Baj, J. 1156
 Bajpai, P. 2437
 Bajpai, P. K. 2437
 Bak, F. 2227
 Bakar, F. A. 1294
 Baker, A. 2431
 Baker, C. W. 1394
 Baker, J. M. 678
 Baker, K. H. 2036, 2046, 2048,
 2074, 2602
 Baker, M. A. 1362
 Bakir, U. 601
 Bakirova, K. S. 1090
 Bal, A. S. 2361
 Bal, M. 1085
 Balasundaran, M. 215
 Baláž, P. 2380
 Baldi, F. 2352, 2376-2377
 Baldini, G. 1220
 Baldwin, E. A. 984
 Bale, M. J. 640
 Bale, S. J. 1186
 Balejova, M. 2411
 Báleš, V. 1824, 2296
 Ball, A. S. 414
 Ball, F. X. 1455
 Ball, H. L. 900
 Ballegooijen, L. van 849
 Ballschmiter, K. 609
 Balows, A. 636-638
 Baltar, J. 175
 Balzarotti, R. 120
 Banat, I. M. 850, 1622
 Bancroft, J. M. 2569
 Bancroft, K. 2015
 Bandettini, G. 15
 Banerjee, A. 568
 Banerji, A. 1569
 Banerji, S. K. 898
 Banik, A. 285
 Banina, A. 211
 Banks, C. J. 1519, 1723, 2453
 Banks, J. N. 1251
 Bannick, C. G. 421
 Bansod, S. M. 2248
 Baradarajan, A. 2173
 Barakah, F. 258
 Baranauskienė, A. 1012
 Barany, F. 2591
 Barascud, M. C. 2445
 Baratti, J. C. 2259
 Barbarick, K. A. 563-564
 Barbaro, J. R. 452
 Barbuti, S. 760
 Bardouil, M. 2009
 Barefoot, S. F. 242
 Barham, P. J. 2184
 Barik, S. 2471
 Bark, K. 2540
 Barkai-Golan, R. 740, 1304
 Barkate, M. L. 812
 Barkay, T. 1681
 Barker, J. F. 452
 Barker, P. 1795, 2184
 Barkley, W. A. 2442
 Barkovskii, A. 959
 Barlow, P. J. 1275
 Barnes, R. J. 1394
 Barr, D. P. 1575
 Barrantes, M. M. D. 2416-2417
 Barrasa, J. M. 938
 Barrett, P. R. F. 2560
 Barriault, D. 312
 Barrier, J. W. 422
 Barron, M. G. 2593
 Barry, B. D. 97
 Bars, J. le 2
 Barta, T. M. 2500
 Barth, M. M. 743
 Bartha, R. 1024, 1420
 Bartlett, C. L. R. 237
 Bartoli, M. 185, 1179
 Bartolomeo, A de 1220
 Bartolomeu, M. L. 379
 Barua, P. 1595
 Barzana, E. 1906
 Baserga, U. 539, 1516
 Basit, N. 530
 Baskaran, K. 1708
 Baskunov, B. P. 991, 1662
 Basseres, A. 1624
 Bassin, J. K. 531
 Bastos, M. C. F. 268
 Basu, R. 1546
 Basyuk, E. I. 2499
 Bates, L. J. 1969
 Batish, V. K. 190
 Batista, I. 1308
 Batt, C. A. 657, 2591
 Battistotti, G. 589
 Batyr, D. 924
 Baumann, E. R. 367
 Baumann, P. 2406
 Baumgart, J. 1887
 Baumgartner, A. 677
 Baumstark, B. R. 46
 Bautista, M. S. 821
 Bavavoda, R. 607
 Bay, E. C. 240
 Bayer, E. A. 1602, 1793
 Bean, S. L. 807
 Beasley, V. R. 1194
 Beauvert, R. 456
 Beaufort, A. 1317
 Beaulieu, Y. 510
 Beavan, M. 526
 Beccaria, A. 180
 Becel, P. 745
 Bech-Andersen, J. 1946
 Béchard, G. 1115
 Beck, M. B. 352
 Beck, R. 93
 Becker, B. 663
 Beckers, G. 986
 Bédard, P. 1115
 Bedford, J. 627
 Bedford, W. K. 521
 Bedi, S. S. 86
 Beelen, P. van 2205
 Beenackers, A. A. C. M. 406
 Beer, D. de 2548
 Beers, A. R. 2106
 Beffa, T. 1074
 Beguin, P. 428
 Begum, A. 119
 Beier, R. C. 70
 Beimborn, D. B. 302
 Belair, C. D. 1585
 Belkin, S. 1633
 Bell, A. I. 577
 Bell, J. P. 2294
 Bell, R. G. 759
 Belliveau, B. H. 576
 Belov, A. P. 2244
 Belova, M. A. 1592
 Beltrame, A. 1968
 Belyaev, S. S. 2196, 2264
 Ben-Abdallah, N. 1540
 Ben-Hassan, R. M. 509, 1540,
 2169-2171
 Ben-Shalom, N. 1290
 Bencomo, S. D. 2136
 Bender, J. 2345
 Bender, T. M. 306
 Benedict, R. C. 1936
 Benemann, J. R. 474
 Benito, P. 2114
 Benjamin, M. M. 2210
 Benmoussa, H. 2343
 Benner, R. A. 1964
 Bennett, G. A. 55
 Bennett, G. N. 969
 Bennetto, H. P. 2187
 Benoit, L. 417
 Benoit-Guyod, J. L. 1660
 Benstead, J. 1191
 Bentabol, A. 174, 195
 Bentham, R. H. 238
 Benzi, D. 123
 Beppu, M. 1364
 Beránková, D. 2029
 Berankova, D. 2028
 Berenguer, M. L. F. 6
 Bergada, J. 1211
 Bergdoll, M. S. 50, 1185
 Berger, H. K. 38
 Bergeron, E. A. 161
 Bergis, H. 1317
 Bergquist, P. L. 2531
 Beringer, J. E. 640
 Berlutti, F. 629
 Berman, D. 1368
 Bernal, M. P. 338
 Bernalier, A. 418
 Bernardez, T. D. 441
 Bernet, N. 1791
 Bersani, C. 1928, 1933, 2000
 Bersani, G. 1886
 Berthelot, D. 1755
 Bertram, P. A. 1081
 Bertrand, J. C. 1624, 1634,
 2263
 Berzcy, M. 1074
 Berzofsky, R. N. 1260
 Besser, R. E. 1974
 Besson, C. 592
 Best, D. J. 1344
 Betancourt, C. 1280
 Betancourt, D. 2256
 Bethoney, C. M. 1651, 1655-
 1656
 Betina, V. 689
 Beuchat, L. R. 1238, 1241-
 1242, 1248, 1385, 1835,
 1880, 1924
 Beurskens, J. E. M. 1631
 Bever, J. 2407
 Beveridge, T. J. 578
 Bewley, R. J. F. 640
 Beyersford-Radeck, B. 2043
 Bezbaruah, R. L. 1621
 Bhaduri, S. 1321, 1379
 Bhakdi, S. 1256
 Bhalla, T. C. 440
 Bhandari, R. S. 219
 Bhandari, T. P. S. 413
 Bhatnagar, D. 66
 Bhatt, A. K. 440
 Bhattacharya, A. 1421
 Bhattacharya, S. K. 977
 Bhattacharyya, B. C. 2246
 Bhattacharjee, J. W. 1377
 Bhaumik, S. R. 1578
 Bhopal, R. S. 1208
 Bhumiratana, A. 2320
 Bhupathiraju, V. K. 1010
 Bhutia, N. T. 153
 Bianchi, C. 149
 Bianchi, M. 1634
 Biann, J. 1495
 Bias, W. R. 2221
 Biasi, G. de 54
 Biebl, H. 2182
 Biegert, T. 1030
 Bieńkowski, P. 1613
 Bieńkowski, P. R. 1419
 Bientz, M. 2414
 Bigliardi, P. 2495
 Bij de Vaate, A. 1403
 Bijkter, P. G. H. 177
 Bilgili, S. F. 1323
 Billen, G. 2452
 Bingham, P. 1213
**BIOLAC GmbH Gesellschaft
 für industrielle Nutzung von
 Milchinhaltstoffen** 786
 Bisaillon, J. G. 456
 Bisaria, R. 997
 Bisaria, V. S. 997
 Bishop, D. H. L. 640
 Bisogni, J. J., Jr. 1409
 Bissani, R. 1985
 Bisson, L. F. 2562
 Bissonnette, G. P. 2262
 Biswas, P. 320
 Bitelli, L. 1959
 Bitton, G. 2018-2020
 Biville, F. 2326
 Bjarnason, M. 705
 Bjerg, P. L. 2162
 Björnberg, A. 88
 Bjurman, J. 1948
 Black, K. 1510
 Black, S. A. 1476
 Black, W. V. 2081
 Blackburn, J. W. 1418, 2077
 Blackburn, T. H. 403
 Blackmore, R. 493
 Blais, J. F. 472-473, 1070,
 2343, 2354, 2364
 Blake, R., II 477
 Blanc, F. C. 537
- Blanchette, R. A. 1745
 Blankenship, P. D. 105
 Blaschek, H. P. 758
 Blaszczyk, R. 914, 2419
 Blenkinsopp, S. 1412
 Blessmann, G. 817
 Bloem, J. 1192
 Blok, J. 2035
 Bloom, J. S. 721
 Bloomfield, S. F. 798
 Blotevogel, K. H. 970
 Blunden, G. 707
 Blüthgen, A. 56, 1262
 Board, R. G. 769, 1876
 Boardman, G. D. 2448
 Bobillo, M. 1159
 Bock, E. 257
 Boer, J. P. de 2548
 Boethling, R. S. 1406
 Bogdan, B. 2454
 Boggs, M. 1014
 Bogte, J. J. 333
 Böhm, J. 72
 Böhm-Schräml, M. 281
 Boiesen, A. 2271
 Bointon, B. M. 47
 Boissier, J. M. 405
 Bolhuis, P. R. 1192
 Bolignano, M. S. 668
 Bollag, J. M. 2213
 Bollen, A. M. 406
 Bolletta, G. 761
 Bolobova, A. V. 1150
 Bølsen, K. K. 1122
 Bolte, J. P. 1524
 Bolton, H., Jr. 862
 Bonadonna, L. 626
 Bondarenko, V. M. 2499
 Bondi, M. 2495
 Bonfanti, P. 2420
 Boni, M. 924
 Bonin, P. 2263
 Bonnarme, P. 283
 Bonnaveiro, N. 808
 Bonora, I. B. 529
 Bont, J. A. M. de 972, 2279
 Bonthrone, K. M. 2580
 Boon, J. J. 1166
 Boon Tong Koh 830
 Boone, D. R. 2195
 Boone, M. 1502
 Boopathy, R. 2241
 Boquet, P. 1255, 1895
 Borah, P. 167
 Borain, G. P. 501
 Borden, R. C. 2064, 2079
 Bordoloi, D. N. 1595
 Bories, A. 1076
 Borja, B. 1722
 Borja, R. 883, 921, 1119, 1718,
 1723
 Borja Padila, R. 2157
 Borja-Padilla, R. 1519
 Boro, B. R. 167
 Boro, C. O. 859
 Borodin, V. I. 1459
 Boronin, A. M. 1152, 2202,
 2347
 Borras, M. A. D. 1352
 Borrego, J. J. 1221
 Borroto, B. 1915
 Bors, R. 1292
 Borsato, J. 1490
 Borsò, F. da 301
 Bortone, G. 2485
 Borzenkov, I. A. 2196, 2264
 Bosch, G. 1466
 Bosch, J. R. 734
 Bosch, M. 500
 Bose, B. 1424
 Bosma, T. N. P. 1557
 Bostancı, S. 980
 Boston, H. L. 1066
 Botha, A. 1882
 Bothwell, M. K. 1589
 Bott, T. L. 584
 Bott, T. R. 2451
 Bott-Breuning, G. 1058
 Bottalico, A. 96, 735
 Böttger, E. C. 1999
 Bottomley, P. J. 314

- Boucabeille, C. 1076
 Boudreau, B. P. 402
 Bouillot, P. 2452
 Boulanger, B. 1070
 Boulben, S. 1920
 Bouwer, E. J. 868, 2056, 2064,
 2223-2224, 2240
 Bovendeur, J. 1016
 Bowen, B. 1222
 Bowen, D. A. 1332
 Bowien, B. 2547
 Bowker, R. G. 2014
 Bowles, H. 1471
 Bowman, J. P. 590, 1800, 2541
 Boychuk, I. 1674
 Boyd, S. A. 1033, 1657
 Boyer, L. J. 1546
 Boyer, T. K. 1648
 Boyle, A. W. 1649
 Boyle, M. 874
 Boyle, W. C. 906, 1428
 Braber, K. J. 490
 Brackett, R. E. 1233, 1238,
 1241-1242
 Brackmann, R. 1031
 Bradburn, N. 707
 Bradley, J. A. 162
 Bradley, P. M. 482, 498
 Bragagna, P. 1886
 Brahmabhatt, M. N. 751
 Brambilla, E. 1374
 Brand, J. M. 2297
 Brandi, G. 518
 Brandl, E. 41
 Branić, R. M. R. 1744
 Brauer, M. 2331
 Brauman, A. 1784
 Braus-Stromeyer, S. A. 975
 Bravo, L. 1918
 Bredholt, S. 1534
 Breinholt, T. 394
 Brenes-Balbuena, M. 1806
 Brennan, M. J. 1650
 Brennan, P. J. 1801
 Brennhovd, O. 266
 Brent, B. E. 1122
 Brera, C. 694
 Breslin, V. T. 453
 Breton, A. 714
 Breuil, C. 789, 1944
 Breure, A. M. 333
 Brezny, R. 2441
 Briese, B. H. 2292
 Brill, E. D., Jr. 321
 Brimer, L. 2571
 Brink, N. 888, 1469
 Brinton, W. F. 2107
 Brito, E. 575
 Brittain, T. 493
 Britz, T. J. 1728, 2154, 2156,
 2424
 Brix, T. 1148
 Brochu, C. 1008
 Brockman, F. J. 862
 Broda, P. 858, 1605
 Broder, J. D. 422
 Brodie, H. L. 2111
 Broholm, K. 2271
 Broja, R. 2150
 Bromilow, R. H. 1661
 Brook, I. 1338
 Brook, S. J. 1338
 Brookes, P. C. 299
 Brookes, P. R. 1105, 2430
 Brooks, B. W. 616
 Broome, S. W. 912
 Brouns, T. M. 1684-1685
 Broussard, S. 743
 Brousseau, R. 1143
 Brown, A. 1375
 Brown, D. A. 1133
 Brown, D. L. 789
 Brown, M. P. 2031
 Brown, R. 2064, 2067
 Brown, R. D., Jr. 605
 Brown, S. 1576
 Brown, S. H. 2549
 Brózel, V. S. 1382, 1993
 Bruce, M. 1440
 Bruce, M. E. 2438
 Bruce, V. R. 1327
- Brunner, J. E. 2081
 Bruhn, D. F. 480
 Bruland, H. G. 136
 Brum, J. J. 175
 Brummelman, E. ten 1016
 Brunow, G. 1172
 Brush, T. S. 1745
 Bruton, A. G. 355
 Bruton, B. D. 739
 Bruus, J. H. 2103
 Bruyn, E. E. de 1190
 Bryan, E. 1975
 Bryan, F. L. 12
 Bryant, C. W. 2442
 Bryniok, D. 2274
 Bubb, J. M. 1431, 1665
 Bubb, W. A. 619
 Bucci, M. A. 1325
 Buchanan, R. L. 261, 1874,
 1936
 Buchelos, C. T. 90
 Buchholz, B. 2547
 Buchholz, K. 517
 Bucka, H. 1398
 Buckley, S. 894
 Budu-Amoako, E. 198
 Bugden, G. 1917
 Buhr, A. R. 1465
 Buick, R. K. 1324
 Buitron, G. 865
 Bukhari, Z. 2590
 Buller, C. S. 1081
 Bumpus, J. A. 1670, 1815, 2207
 Bunni, L. 1041
 Bünz, P. V. 2316
 Buonfiglio, V. 485
 Bupp, S. 2355
 Buras, N. 1312
 Burd, E. M. 797
 Burge, G. K. 744
 Burgess, J. G. 2340, 2567-2568
 Burggraaf, A. 1858
 Burr, M. D. 933
 Burrell, D. H. 788
 Burton, C. H. 2482, 2484
 Busby, S. J. W. 577
 Bush, B. 1651, 1655-1656
 Busse, M. 204
 Busta, F. F. 746
 Butler, E. L. 1005
 Butoroval, A. 2319
 Butt, K. R. 941
 Butterfield, J. E. 118
 Button, D. K. 1136
 Buuren, J. C. L. van 332
 Buzzegoli, E. 796
 Bystryakova, Z. K. 94
 Cabezali, C. B. 2278
 Cabral, J. P. S. 2346
 Cacciioni, D. 732
 Cadelano, A. 13
 Cadena, F. 2087
 Cadoni, M. 2011
 Cafferkey, M. T. 269
 Çağlar, A. 2337
 Cai, D. 1821
 Cailliez, C. 417
 Calabrese, V. G. M. 2262
 Calderón, C. 2032
 Caldwell, D. E. 2587
 Caldwell, W. M. 1417
 Callieri, D. A. S. 2328
 Callis, J. B. 1836
 Calori-Domingues, M. A. 719
 Calvo, A. 213
 Camacho, P. 1556
 Camacha Rubio, F. 1097
 Cameron, I. R. 640
 Camorali, G. 760
 Campbell, A. T. 1661, 2590
 Campbell, P. G. C. 472-473,
 2343
 Campbell, S. 1218
 Campos, C. M. M. 1442
 Campos, J. R. 1451
 Campos, M. C. S. 294
 Campos, R. M. de 1308
 Canadian International Develop-
 ment Agency 1847
- Cañas, A. 1906
 Canazza, S. 15
 Cancellotti, F. M. 54
 Candela, L. 2597
 Canela, R. 74
 Caneva, G. 1962
 Cangarella, F. 1236
 Canhos, V. P. 1742
 Cafizares, R. O. 1120
 Canovas-Díaz, M. 1039
 Cantarella, L. 430
 Cantarella, M. 430
 Cantoni, C. 765, 1374, 1885,
 1928, 1930, 1932-1933
 Cao, W. G. 2214
 Capdeville, B. 865
 Capelli, G. 301
 Caplan, J. A. 2051
 Caprioli, A. 54
 Caravaglio, N. 2545
 Carberry, J. B. 1491
 Carilli, A. 944
 Carlin, F. 1916
 Carlson, H. 1697
 Carmichael, W. W. 1872
 Carminati, D. 779
 Carneiro, M. 929
 Carr, L. E. 2111
 Carrasco, J. E. 426
 Carreras, N. 950
 Carroll, J. D. 269
 Carstensen, J. 325
 Cartagena Causapé, M. C. 2149
 Carter, J. P. 2528
 Carturan, G. 612
 Cartwright, K. A. V. 237
 Carvalhal, M. L. 2183
 Casadei, M. A. 1358
 Casadio, S. 58
 Casas, C. 154
 Casaus, P. 1802
 Caserio, G. 37, 171, 675, 1927
 Castor, M. 15
 Castro, A. de 2423
 Castro, G. R. 1350
 Caton, J. E. 1417
 Catroux, C. 1047
 Caumette, P. 2502
 Cavalca, L. 2545
 Cavalcanti, M. A. de Q. 815
 Cavazza, A. 612
 Cavinato, A. G. 1836
 Cebreros, F. J. 2191
 Ceccanti, B. 1130, 1776
 Cecchi, F. 1511, 2116, 2147
 Ceken, F. 2332, 2444
 Čech, J. S. 1091
 Cen, P. 1788
 Cenci, G. 1220
 Cerco, C. F. 297
 Cerf, O. 1303
 Cerniglia, C. E. 267, 451, 1572
 Cerri, D. 166
 Čertík, M. 1824
 Cervantes, L. A. 126
 Cervera, V. 1352
 Cesaroni, D. 1325
 Chababouni, S. E. 2558
 Chakrabarti, T. 1439, 2299
 Chakrabarty, A. M. 1785
 Chalaux, N. 897
 Chalutz, E. 127, 130, 712
 Chamberland, H. 2563
 Chambers, A. J. 2599
 Chambers, J. 1394
 Chambers, J. M. 1093
 Chambers, J. Q. 1188
 Chamilotoris, G. 508
 Champagne, C. P. 510
 Chan, H. T. C. 960
 Chan, K. Y. 462
 Chanakya, H. N. 953-954
 Chandan, V. 616
 Chandel, Y. S. 699
 Chander, K. 299
 Chandra, J. 131
 Chaney, R. L. 300
 Chang, C. W. 1670
 Chang, H. M. 2439
 Chang, H. N. 2538
 Chang, L. 910, 2382
- Chang S. T. 229, 241
 Chang, T. 810
 Chang, Y. J. 366
 Chao, W. L. 1852
 Chaolong, Z. 624
 Chapelle, F. H. 482, 498, 847-
 848, 974, 1004, 2276
 Chaphalkar, P. 2362
 Chapman, B. E. 619
 Chapman, P. J. 1646
 Characklis, W. G. 232, 593
 Charnay, M. P. 1047
 Chartier, M. 2338
 Chartrain, M. 1148
 Chasteen, T. 2505
 Chatfield, S. N. 640
 Chattopadhyay, A. 1569
 Chaturvedi, A. P. 1606
 Chau, P. y. 1829
 Chaudhary, L. C. 1733
 Chaudhuri, J. 2349-2350
 Chauthaiwale, V. M. 1811
 Chauvaux, S. 428
 Chavarie, C. 1062
 Chaya, K. 277
 Cheah, L. H. 744
 Cheah, S. C. 1724
 Cheasty, T. 680
 Chebib, J. 1731
 Chechenin, V. P. 1636
 Chedrawy, E. G. 1809
 Chee, K. S. 1846
 Chee-Sanford, J. 1657
 Chełkowski, J. 700, 1197
 Chen, A. 2486
 Chen, G. C. 791
 Chen, H. M. 601
 Chen, J. 2175
 Chen, K. C. 330
 Chen, P. H. 956
 Chen, R. F. 1638
 Chen, S. 536
 Chen, T. 1944
 Chen, T. C. 1323
 Chen, Y. 1470
 Chen, Y. M. 1263
 Chèneby, D. 2476
 Cheng, S. C. 462
 Cheong, F. Y. 2357
 Chernysh, A. 397
 Chetti, L. 1325
 Chiang, H. C. 1771
 Chibuko, C. C. 1139
 Childers, G. W. 2015
 Chinachoti, P. 1658
 Chinann, M. S. 1278
 Chintoli, R. 924
 Chio, J. T. 1673
 Chirife, J. 1658
 Chistakova, T. I. 1688
 Chistoserdova, L. V. 1149
 Chittaranjan, S. 137
 Chiumenti, G. 301
 Cho, D. Y. 1677
 Choi, D. 1829
 Choi, E. S. 2538
 Choi, S. Y. 572
 Chopade, B. A. 1370
 Choplin, L. 575
 Choudhury, N. 119
 Chour, V. 2030
 Chow, M. C. 1724
 Chowdhery, K. 793-794
 Christakopoulos, P. 2179
 Christen, G. L. 783
 Christensen, G. L. 2595
 Christensen, J. R. 2103
 Christensen, T. H. 2162
 Christin, N. 1837
 Christodoulou, A. 1699
 Christov, L. P. 2249
 Chronenberg, C. C. H. 2548
 Chu, A. 2097
 Chu, F. S. 685, 1217
 Chu, K. H. 1564
 Chughtai, M. I. D. 362
 Chul Soo Shin 965
 Chun, N. J. 825
 Chung, A. S. 1677
 Chung, K. S. 572
 Chung, N. 1575

- Chung, W. K. 2128, 2138
 Churey, J. J. 1387
 Churukba, T. 178
 Chynoweth, D. P. 1466, 2194
 Ciardi, C. 1776
 Ciavatta, C. 1128, 2112
 Ciccarone, C. 736
 Cimbuková, E. 1164
 Cintas, L. M. 1802
 Citterio, B. 828
 Claborn, B. J. 1003
 ClaeysSENS, M. 1125
 Clancy, P. B. 1508
 Clanton, C. J. 361
 Clapp, C. E. 1614
 Clapp, L. W. 1428
 Clark, B. 18
 Clark, D. S. 1552
 Clark, J. H. 2034
 Clark, J. R. 1418
 Clark, R. M. 1752, 1849, 1982,
 1992
 Clark, T. 1440
 Clark, T. A. 2438
 Clark, T. R. 2376
 Clarke, J. H. 704, 1251
 Claus, J. C. 180
 Clausen, E. C. 1160, 1546,
 2461, 2469
 Clauss, J. 2580
 Clayton, C. R. 1689
 Clement, B. 934
 Clement, B. A. 64
 Clément, R. L. 1380
 Clerfayt, G. 985
 Cleveland, T. E. 66
 Cline, P. 526
 Cloete, T. E. 500, 766, 1190,
 1320, 1382, 1993
 Coates, J. 1507
 Cobb, S. A. 542, 1523
 Codd, A. A. 16
 Codina, J. 213
 Coenen, A. 455
 Cohen, A. 1505
 Cohen, L. 130
 Cohen, M. S. 2467
 Coker, R. D. 707
 Colavita, G. 774
 Cole, J. 585, 2397
 Cole, J. A. 577
 Cole, R. J. 105, 107
 Cole, T. 297
 Coleman, D. C. 269, 1041
 Coleman, R. D. 2421
 Coll, P. M. 2564
 Collazos, C. J. 1449
 Colleran, E. 1507, 2044
 Collier, P. W. 24
 Collina, A. 634
 Collins, A. R. 554, 1777
 Collins, J. K. 739
 Collins, M. D. 1218, 1988, 1999
 Collins-Thompson, D. L. 653
 Colombari, G. 773
 Colon, M. 1183
 Colville, A. 1206
 Colwell, R. R. 263, 435, 1991
 Coma, J. 1490
 Comeau, Y. 1143
 Comi, G. 765, 828, 1374, 1933
 Concannon, F. 1507
 Conedera, G. 54
 Conio, O. 32
 Conner, D. E. 1389
 Connolly, P. 798
 Connor, H. 2490
 Connor, M. A. 1708
 Conover, C. A. 557
 Conrad, R. 581, 2363
 Conte, A. 1374
 Conte, F. 183
 Contu, A. 2144
 Converse, J. C. 930
 Conway, W. S. 1290
 Conway de Macario, E. 2102
 Cook, A. M. 975, 2316
 Cook, G. M. 2498
 Cook, L. V. 161
 Cook, P. E. 1906
 Cooke, P. H. 1936
- Cooksey, D. A. 471
 Cooksey, D. K. 758
 Coombs, J. 426
 Cooper, J. A. 2560
 Cooper, P. 2491
 Cooper, R. N. 369
 Copel, A. 740, 1298
 Coppola, S. 837
 Corapcioglu, M. Y. 1615
 Cordero, G. 1978
 Córdoba, L. T. 2185
 Coronel, L. M. 1590
 Corrales, M. T. 1203
 Correa, M. 929
 Corry, J. E. L. 1299
 Corseuil, H. X. 2076, 2286
 Cort, S. de 2003
 Cosgrove, J. M. 2462
 Costa, C. 1776
 Costa, F. 1130
 Costa, M. S. da 1225, 2014
 Costa-Ferreira, M. 2255
 Costerton, J. W. 444, 1504
 Couderc, J. P. 1443
 Couilliard, D. 1676, 2338
 Cousin, M. A. 113, 1890
 Coutlakis, M. D. 2391
 Couture, P. 2331
 Covert, T. C. 1368, 2588
 Coward, P. A. 981
 Cowden, J. 1214
 Cox, B. 2166
 Cox, H. H. J. 1642
 Cox, J. M. 1889
 Cox, L. M. 1732
 Cox, R. P. 2522
 Cox, S. J. 1251
 Cragg, B. A. 1186
 Crane, J. M. 1179
 Crandall, A. D. 243, 1923
 Craun, G. F. 2022
 Crawford, C. G. 2492
 Crawford, D. 1086, 1716
 Crawford, D. L. 2214, 2322,
 2464, 2468
 Crawford, P. M. 1758
 Crawford, R. L. 973, 1167,
 2214, 2527
 Crawford, S. L. 2283
 Creminoux, A. 808
 Cresswell, N. 272
 Crill, P. M. 2135
 Criseo, G. 92, 668
 Cristiani, F. 13
 Critter, S. A. M. 1571
 Crolet, J. L. 800
 Cromack, K., Jr. 982
 Crompton, T. R. 1199
 Cross, D. J. 221
 Cross, J. 2450
 Cross, R. 2490
 Crosse, J. T. 2034
 Crowe, M. F. 1485
 Crowley, J. 1206
 Cruden, D. L. 2297
 Crumlish, B. 1507
 Cruz, M. C. da 339
 Cubitto, M. A. 2278
 Cuevas Diaz, D. 519
 Cui, F. 1598
 Cullen, D. 1823
 Cummings, R. J. 1587
 Cummins, C. G. 1530
 Cunningham, J. E. 2574
 Cunningham, J. J. 1560
 Cuomo, V. 309
 Čupková, V. 399, 469
 Čurdová, E. 1164
 Curiale, M. S. 1253
 Curtis, T. P. 1493
 Cutka, I. 1900
 Čwiková, O. 1326
 Cybulska, R. 1812
 Czakó, L. 1445
 Czepiel, P. M. 2135
 Da Borsó, F. 301
 Da Costa, M. S. 1225, 2014
 Da Cruz, M. C. P. 339
 Daba, H. 5
 Dabbs, E. R. 1810
 Daei, B. 870
- Daeschel, M. 1201
 Daeschel, M. A. 649
 Daffe, M. 1801
 Daffonchio, D. 2420
 Dagnawala, H. F. 1591
 Dague, R. R. 899
 Dahab, M. F. 1707, 2073
 Dahhou, B. 508
 Daigger, G. T. 1086
 Dairy, Food and Environmental
 Sanitation 652
 Dalmazzo, D. 1978
 Damanhuri, E. 934
 Dambroth, M. 425
 Damoglou, A. P. 1324, 1937
 D'Angiuro, L. 2253
 Daniel, D. E. 644
 Danko, J. P. 1109
 Danneel, H. J. 1543, 2565
 Darrah, L. L. 97
 Darwin, A. 585
 Daryapurkar, R. A. 386, 528
 Das, D. 1612
 Das, K. L. 209
 Dassargues, C. 985
 Datta, C. 844
 Daubaras, D. 1785
 D'Aubert, S. 1885, 1930, 1932,
 2000
 Davankov, V. A. 594
 Davelaar, D. 2403
 Davidson, H. 740
 Davidson, P. M. 783
 Davis, L. C. 311
 Davis, M. W. 2288
 Davis, P. A. 2118
 Davis, S. H. 1533
 Davison, B. H. 1623
 Dawe, K. 731
 Dawes, E. A. 2509
 Dawson, B. A. 400
 Dawson, M. W. 1732
 Day, D. L. 1961
 Day, M. 2491
 Day, M. J. 641
 Day, S. M. 2052
 Dayal, R. 1606
 Dayrit, F. M. 1673
 Daz, M. 2257
 De Albuquerque, S. S. M. C.
 815
 De Andrés, C. 378
 De Baerdemaeker, J. 1316
 De Baere, L. 1456
 De Bartolomeo, A. 1220
 De Beer, D. 2548
 De Biasi, G. 54
 De Boer, J. P. 2548
 De Bont, A. M. 2279
 De Bont, J. M. A. 972
 De Bruin, W. P. 1557
 De Bruyn, E. E. 1190
 De Campos, R. M. 1308
 De Castro, A. 2423
 De Cort, S. 2003
 De Faveri, D. 2147
 De Forest, A. R. 2117
 De Giori, G. S. 1774
 De Giusti, M. 728
 De Guzmán, A. M. S. 729
 De Haan, A. 2279
 De Haas, D. W. 501
 De Henau, H. 855
 De Jong, B. 11
 De Jong, E. 972
 De La Noüe, J. 1500
 De las Heras, M. D. 50
 De Leo, F. 668
 De Lesleuc, J. 2436
 De Man, A. 332
 De Mancilha, I. M. 377
 De Marzi, L. 15
 De Mattos, M. J. T. 2548
 De Melo Serrano, A. 674
 De Meutter, J. 1125
 De Mey, L. 2215
 De Montigny, C. 2401
 De Naeyer, F. 1017, 1528
 De Nijs, W. 1017, 1528
 De Philippis, R. 2515
 De Prez, S. 301
- De Ruiter, G. A. 1250
 De Simoni, J. A. 1571
 De Souza, L. C. 31
 De Valdez, F. G. 1774
 De Villiers, H. A. 2084, 2091
 De Vincenzi, S. 1529
 De Vito, E. 728
 De W. M. 1844
 De Vringer, T. 1343
 De Waard, P. 2309
 De Wolf, J. 1631
 Deák, T. 1243, 1245, 1281,
 1835, 1879
 Dean-Ross, D. 1629
 Dearden, D. 1206
 Debabov, V. G. 569
 Debasnis Pal 142
 Debnath, M. 2254
 Decastelli, L. 149
 Dechert, G. J. 1005
 Deckwer, W. D. 1069, 2182
 Dedyukhina, E. G. 1688
 Deeter, F. G. 747
 Degaetano, J. C. 559
 Dege, J. E. 2527
 DeGregorio, R. 2107
 Deguchi, Y. 2161
 Dehuri, P. K. 104
 Dekker, C. G. C. 1631
 Del C. Velázquez, L. 729
 Delaney, B. T. 310
 Delaney, D. P. 1530
 Delfini, C. 723
 Delgenes, J. P. 1583-1584
 Delille, D. 1008
 Deloince, R. 1179
 Delolme, C. 934
 Delves-Broughton, J. 768
 Demain, A. L. 1795
 Demarta, A. 846
 Deneer, H. G. 1674
 Denis-Arrue, R. 734
 Denisov, A. A. 911
 Dennis, D. 2518
 Dennis, P. J. 237
 Dent, D. F. 1766
 DeNucci, A. 1655-1656
 Denyer, S. P. 798
 Denzler, H. J. 786
 Deobald, L. A. 2470
 DePolo, J. 2075
 Derikx, P. J. L. 545
 D'Errico, M. M. 1401
 Desai, A. J. 1182
 Desai, J. D. 1182
 Desai, M. 2152, 2193
 Deshpande, C. V. 386
 Deshpande, V. V. 1811
 Desmarchelier, P. M. 4
 Destro, M. T. 674
 Devine, K. 2049
 Devinny, J. S. 315
 Devínsky, F. 399, 469
 Devleeschouwer, M. J. 785
 Dewi, I. Ap 645
 Dey, S. 2246
 Dhakephalkar, P. K. 1370
 Dham, W. 1426
 Dhamdhare, S. V. 710
 Di Pinto, A. C. 1089
 Diab, S. 902-903, 2387
 Diaz, M. R. 570
 Diaz Borrás, M. A. 1352
 Dickel, O. 2272
 Dickinson, J. H. 1218
 Dickson, J. S. 757, 1318
 Diekmann, H. 2497
 Diels, L. 2339
 Diener, R. G. 1777
 Dietz, J. D. 1699
 Diez Jerez, M. C. 377
 Dighton, J. 981
 Dijkema, C. 1805
 Diks, R. M. M. 2275
 Dimic, G. 75
 Dimkov, R. 1644-1645
 Dinel, H. 2108-2110
 Dinesh, A. Y. 647
 Ding, X. 1788
 Diré, S. 612
 Dirilgen, N. 2335

- Diriye, F. U. 1881
 DiSpirito, A. A. 1149
 Dixon, B. 1131
 Dixon, T. F. 1732
 Dluhý, M. 2296
 Do Amaral, L. A. 1940
 Dobson, B. G. 744
 Dodd, H. M. 1373
 Dodderma, H. J. 1642
 Dodge, C. J. 1689
 Doeble, H. W. 2428
 Dogra, R. 1219
 Dohanyos, M. 1430
 Döhler, H. 392
 Dohmann, M. 2040
 Doi, Y. 2510
 Dold, P. 2431
 Dolfing, J. 1422, 1570
 Doll, R. 1517
 Dolores Megías, M. 1123
 Dolphin, D. 1598
 Dolzinski, V. B. 2582
 Domach, M. M. 1002
 Domagala, J. 1261
 Domínguez, A. R. 1120
 Donantonio, L. 301
 Donhauser, S. 281
 Donlan, R. M. 1960
 Donlon, P. 523
 Donnelly, P. K. 982, 2300, 2322
 Donje, J. H. 361
 Dony, J. 785
 Doong, R. A. 2287
 Doores, S. 770
 Doran, J. W. 860
 Dorner, J. W. 105, 107, 1278
 Doronina, N. V. 1146
 Dorsa, W. J. 143
 Dorsch, M. 591
 Dort, H. M. van 1650
 Dos Santos, R. de F. A. 134
 Dosako, S. 245
 Dott, W. 2540
 Dougan, G. 640
 Douglas, G. S. 1005
 Downey, D. C. 1627
 Doyen, W. 2339
 Doyle, M. P. 1974
 Draaijer, H. 1446
 Dragacci, S. 772
 Dragoni, I. 1932
 Draz, A. A. 159
 Dreesen, D. W. 161
 Dreyer, A. 1900
 Drift, C. van der 2366
 Driscoll, R. H. 811
 Drobys, S. 127, 130, 712
 Drousie, D. 869
 Druet-Michaud, C. 1303
 Drury, W. J. 593
 Duarte, J. 2255
 Duba, A. G. 859
 Dubey, N. K. 1966
 Dudley, B. T. 355, 2153
 Dudley, L. Y. 909, 2126
 Duff, S. J. B. 987
 Dufour, P. 1183
 Dugan, J. 2109
 Duhaime, R. 400
 Duka, G. 924
 Duncan, A. 523
 Dunne, W. M. 797
 Dunnigan, M. E. 2585
 Dunstall, G. 27
 Dunster, H. J. 640
 Dupont, J. 146, 596
 Durán, M. M. 1119, 2150
 Durán, N. 1742, 2251
 Durán, R. M. 2417
 Duranti, A. 761
 Düsterhoff, E. M. 979
 Dutta, R. K. 1562
 Dutta-Choudhary, M. 2248
 Dwivedi, S. K. 1966, 1966
 Dworkin, M. 636-638
 Dwyer, D. F. 2062
 Dyer, S. K. 693
 Dyke, M. I. van 2331
 Dykes, G. A. 1320, 1997
 Earle, J. F. K. 1466
 Earley, J. P. 310
- East, A. K. 1988
 Easter, M. C. 1187
 Eb, P. 745
 Ebashi, T. 1787
 Ebata, T. 461
 Eberspächer, J. 1036
 Ebert, K. 1761
 Eccher Zerbini, P. 120
 Echigo, T. 148
 Ecker, C. 663
 Eckerot, Á. 2402
 Eckerskorn, C. 1030
 Ede, C. J. van 406
 Edebo, L. 582
 Edgehill, R. 1416
 Eduard, W. 2038
 Eduljee, G. 2012
 Edwards, D. D. 1224
 Edwards, D. E. 1735
 Edyvean, R. G. 1065
 Eede, G. van den 640
 Eerola, S. 764
 Eerola, S. H. 155
 Eiffat, B. A. 1337
 Effio, A. 526
 Efsthathiou, T. 251
 Egashira, T. 813
 Egger, K. 539, 1516
 Eggink, G. 2309
 Egli, T. 994, 1135
 Ehlinger, F. 1443, 1455, 2445
 Ehrenreich, A. 470
 Eilersen, A. M. 2395
 Eils, L. M. 667
 Eisenreich, S. J. 1404
 Eisermann, R. 870
 Eisgruber, V. H. 2583
 Ejechi, B. O. 227
 Ekama, G. A. 1501, 1725-1726,
 2084, 2091-2093
 Ekblom, B. 371
 Eklund, M. W. 1895
 El-Alla, A. A. 163
 El-Ayouty, S. A. 73
 El-Bassam, N. 425
 El-Bazza, Z. E. 109, 713
 El-Dessouki, S. 722, 1900
 El-Diwany, A. I. 431
 El-Fouly, M. Z. 82
 El-Gohary, A. H. 173
 El-Gohary, F. A. 535
 El-Jakeen, J. 1331
 El-Kamah, H. M. 535
 El-Khateib, T. 165
 El-Leboudy, A. 199
 El-Leboudy, A. A. 1384
 El-Leboudy, A. M. 1336
 El-Nadi, A. R. H. 1177
 El-Saadany, H. H. 73
 El-Sagheer, M. A. 1331
 El-Said, W. A. G. 1331
 El-Salam, M. H. A. 2429
 El-Samragy, Y. A. 375
 El-Sayed, E. A. 82
 El-Sayed, I. M. 1349
 El-Sayed, M. S. 1384
 El-Sayed, N. H. 1337
 El-Shabtaway, M. 1331
 El-Shemy, M. G. 1165
 El-Sherbini, M. 1384
 El-Shimi, S. A. 537
 El-Shinnawi, M. M. 537
 El-Shoubary, Y. 1023
 El-Sukhon, S. N. 1333
 El-Syiaid, S. I. 172
 Elander, R. P. 642
 Elas, J. D. van 640
 Elborne, S. A. 1946
 Elefantis, P. 1521, 1712
 Elegado, F. B. 1659, 2312
 Elegir, G. 2253
 Elemér, F. 777
 Eley, A. 51
 Eliashvili, V. I. 2252, 2561
 Eliashvili, V. I. 1168
 Ellenrieder, G. 2257
 Eller, K. I. 114
 Elliott, D. J. 920
 Elliott, P. H. 45
 Ellis, K. V. 9, 360
 Ellis, R. C. 497
- Elouiz, R. 504, 872, 1094-1095,
 2558
 Elmaleh, S. 1490
 Elmendorf, D. L. 1005
 Elsas, J. D. van 835
 Elsavage, R. E. 2262
 Elshafei, A. M. 431
 Embley, T. M. 1153
 Emerlin, G. V. 1459
 Emeruwa, A. C. 1116
 Emond, E. 2002, 2586
 Entiazzi, G. 2212
 Ena, A. 2515
 Energia 340
 Engberg, H. 371
 Engelhardt, G. 281
 Engelhardt, H. 696
 Engels, F. M. 979
 Englmar, St. 1503
 Engl, D. C. 727
 Enoki, A. 989
 Entry, J. A. 982, 2322
 Epton, H. A. S. 140
 Erbanová, P. 316
 Ercolini, C. 149
 Eremkina, S. A. 940
 Eres'ko, L. G. 94
 Eribó, B. E. 1274
 Erickson, J. P. 721
 Erickson, L. E. 311, 604
 Eriksson, L. 2137, 2446
 Eroshin, V. K. 1688
 Erviö, L. R. 1053
 Escalera, C. R. 884
 Escouffier, Y. 1443
 Escosteguy, P. A. V. 841
 Escudero, M. E. 729
 Esposito, E. 1742
 Espuny, M. J. 378
 Essers, A. J. A. 2557
 Esteban, C. 213
 Esteban, E. 895
 Esterbauer, H. 595
 Etou, Y. 2480
 Ettriki, A. 2586
 Etugo, J. E. 1175
 European Hygienic Equipment
 Design Group 1877
 Evancho, G. M. 45
 Evans, B. R. 2177
 Evans, G. J. 2166
 Evans, J. 1460
 Evans, J. W. 2288, 2301
 Evans, W. R. 1872
 Ewing, D. F. 2509
 Eyrich, W. 1900
 Ezat, S. M. 76
 Fadel, M. A. 2429
 Fahd, M. I. 713
 Fair, M. 714
 Fain, A. R., Jr. 117
 Fairbairn, D. A. 832-833
 Fairson, B. D. 2465
 Fajardo, C. 1477
 Falchetto, R. 2316
 Falco, A. S. 1915
 Falcone, E. 1927
 Falconer, C. 2556
 Fales, S. L. 1594
 Fall, R. 2505
 Fallik, E. 741, 1298
 Fan, C. 2175
 Fang, G. . 623
 Fang, H. H. P. 327
 Farina, L. 301
 Farinet, J. L. 952
 Farooq, S. 1032
 Farooqi, I. H. 1520
 Farquhar, G. J. 1107
 Farrah, S. R. 1366
 Farrell, R. 1598
 Farrell, R. L. 1745
 Farrent, J. W. 2482, 2484
 Farteras, J. M. 662
 Fartukov, S. V. 376
 Fateev, A. I. 494
 Pathepure, B. Z. 1632
 Pathi, S. M. 172
 Favaretti, C. 15
 Favare, K. 1506
- Faveri, D. de 2147
 Fawole, O. B. 606
 Fayez M. Marai, I. 645
 Fedorak, P. M. 444, 1734, 2265
 Feigenbaum, S. 1614
 Feijoo-Costa, G. 972
 Fein, J. 526
 Fell, R. D. 1392
 Fellman, J. K. 132
 Felson, A. S. 466
 Feng, H. 2175
 Feng, Y. 2213
 Fenicia, L. 1859
 Fennell, D. E. 398, 1435
 Ferguson, J. F. 2210
 Fernandes, L. 335, 893
 Fernández, A. F. 6
 Fernandez, J. L. 1912
 Fernández, M. F. 1802
 Fernandez, Z. F. 2167
 Fernández-Abalos, J. M. 2564
 Fernández-Coll, F. 1295
 Fernández-Espínar, M. T. 598
 Fernández Martínez, A. I. 621
 Ferrari, R. 1957
 Ferreira, A. C. 1225
 Ferreira, J. L. 46
 Ferreira, M. E. 339
 Ferrini, A. M. 1859
 Ferro, J. A. 1940
 Ferroni, G. D. 1755, 2501
 Fewtrell, L. 1864
 Fick, M. 2457
 Fidler, S. 2518
 Fiechter, A. 957, 1600, 2247
 Field, J. A. 972, 1671
 Field, R. 2031
 Field, R. A. 164
 Fiestas Ros de Ursinos, J. A.
 2157
 Figueira, A. C. 1275
 Figueroa, R. 1258
 Filek, G. 87
 Filibeli, A. 856
 Filippelli, M. 2377
 Finetti, M. 2257
 Fink-Gremmels, J. 684
 Finkel'shtein, Z. I. 1662
 Finkelstein, N. P. 1682
 Finnie, K. S. 1943
 Finoli, C. 706, 1908
 Finster, K. 2227
 Firman, D. M. 138
 Fischmuth, A. 1069
 Fisher, E. 1148
 Fisichella, S. 149
 Fitzpatrick, G. E. 2118
 Fitzsimons, R. 380
 Fjelldal, E. 543
 Flanagan, W. P. 2303
 Flanders, W. D. 1346
 Flateau, G. N. 1380
 Fleming, J. 1405
 Fleming, J. T. 2268
 Fletcher, D. L. 1323
 Fletcher, J. 1828
 Fletcher, J. S. 2300
 Fleuren-Kemilä, A. K. 2205
 Fliermans, C. B. 2579
 Fliss, I. 2002, 2586
 Flora, J. R. V. 320, 1648
 Florencio, L. 1671
 Flores, F. 2524
 Floris, R. 1172
 Flournoy, D. S. 790
 Flück, K. 1814
 Fluit, A. C. 1888
 Focht, D. D. 1561
 Foda, M. I. 375
 Foess, G. W. 2039
 Foght, J. M. 857
 Folsom, B. J., Jr. 2341
 Fomchenko, N. V. 907, 1479
 Fongastikul, P. 2148
 Fonseca, E. L. 719
 Fonseca, H. 719
 Font de Valdez, G. 1774
 Fontvieille, D. 405
 Fonty, G. 418
 Food Laboratory News 112
 Ford, C. 601

- Ford, T. E. 806, 826
 Forest, A. R. de 2117
 Forest, F. 952
 Foresti, E. 1444
 Forja, J. M. 1696
 Forsyth, P. G. 2575
 Forsythe, S. J. 1187
 Foschino, R. 33, 210
 Foster, B. C. 400
 Foster, J. 2520
 Foster, K. E. 2569
 Fouad, K. E. 115
 Fournier, J. C. 1047
 Fowler, T. 605
 Fox, K. F. 1375
 Fox, K. R. 1992
 Fox, T. L. 1241-1242, 1253
 Fraissler, S. 87
 Frampton, E. W. 1831
 Frances, N. 295
 Franeys, R. 1198
 Francis, A. J. 1689
 Franco, E. 1870
 Frank, J. F. 1318
 Frank, Z. R. 106
 Frankenberger, W. T. Jr. 1808
 Franklin, R. J. 1458
 Frankland, J. C. 981
 Fransen, N. G. 177
 Franzetti, L. 706, 755, 1908
 Fraser, A. D. E. 616
 Fredrickson, J. K. 862
 Freeman, M. B. 306
 Freeman, R. 239
 Fregeau-Reid, J. 705
 Freire Bastos, M. C. de 268
 Freitas dos Santos, L. M. 1105
 Fremau, C. 1807
 Frémy, J. M. 772
 Freund, M. 2040
 Frías, J. 1866
 Friedrich, A. 478
 Friedrich, M. 660
 Frigerio, R. 765, 1930
 Frjns, J. 332
 Frimmel, F. H. 2216
 Frings, J. 2367
 Frisvad, J. C. 702
 Fritsch, D. A. 554
 Frohlich, A. A. 1878
 Fründ, R. 432
 Fry, I. J. 487
 Fry, J. C. 641
 Fuchs, F. 1179
 Fuchs, G. 971, 1030-1031, 1155
 Fuchs, U. 2392
 Fujii, T. 1288
 Fujii, Y. 217
 Fujimoto, K. 1134
 Fujio, Y. 2312
 Fujita, M. 580, 2141
 Fukai, K. 818
 Fukui, M. 2199
 Fukui, T. 2370
 Fulford, B. R. 2107
 Fuller, R. C. 2516, 2520
 Fumi, M. D. 589
 Fung, D. Y. C. 1122, 1322
 Fur-u-ne, H. 2567
 Fuse, G. 989
 Fuska, J. 1056
 Fuzaro, G. 1512
 Gaba, V. 130
 Gabriel, J. 247, 2202
 Gacésa, S. 943
 Gachhui, R. 2349-2350
 Gächter, R. 2398
 Gadd, G. M. 2356, 2536
 Gaddy, J. L. 1160, 1546, 2461, 2469
 Gaidhani, N. R. 1612
 Gal, D. le 1920
 Galassi, R. 1204
 Gale, J. 705
 Galindo, E. 575, 2524
 Galinski, E. A. 2532
 Gallagher, E. L. 1650
 Gallardo, M. T. 1025
 Gallego, C. 195
 Gallego, J. A. 1123
 Galli, A. 706, 755, 1908
 Galli, E. 1000
 Gallifucco, A. 430
 Gallmann, P. 514
 Gallo, F. 1955
 Galzy, P. 1791
 Gambetta, A. 214
 Ganczarczyk, J. J. 1526
 Gandhi, B. M. 1132
 Gandhi, D. N. 511
 Gandhi, K. S. 1158
 Ganesh, R. 2448
 Ganji, S. H. 407
 Ganni, A. 1130
 Gannon, V. P. J. 162
 Gao, Y. 918, 928, 1452, 1773, 1944
 Garbisu, C. 1092, 2455
 Garbo, M. S. 1774
 García, A. D. 1448
 García, C. 1130, 1776
 García, J. L. 365, 872, 2502
 García, L. 1934
 García, M. M. 616
 García, R. 296
 García de Fernando, G. 1934
 García-García, P. 1806
 García-Jalón, I. 1860
 García Pareja, M. P. 1097
 García-Suarez, O. 1861
 Gardini, F. 1358
 Gardner, D. 2419
 Garibaldi, A. 123
 Garin, D. 1179
 Garnier, A. 1062
 Garout, A. M. 759
 Garrido, A. 921
 Garrido-Fernández, A. 1806
 Garrido Hoyos, S. E. 1097
 Garriga, M. 1929, 1935
 Garrou, E. 1978
 Garuti, G. 1430, 1701
 Garzaroli, C. 37, 171, 210, 1927
 Gascon, A. 1643
 Gasim, Z. 21
 Gasith, A. 483
 Gaskell, J. 1823
 Gasser, F. 2326
 Gasson, M. J. 1373, 1844
 Gast, R. K. 181
 Gat, O. 1604
 Gatti, M. 1968
 Gautam, A. R. 1377
 Gauthier, M. J. 1380
 Gavrilov, V. B. 820
 Gay, R. 2529
 Gaya, P. 776
 Gaye, M. M. 137, 742
 Ge, Z. H. 1836
 Gealt, M. A. 1200
 Gearhart, R. A. 1486
 Geary, I. 51
 Geary, R. J. 1109
 Geddie, J. L. 1071
 Geerdink, M. 871
 Geeta Nanda 599
 Gealt, M. A. 1200
 Gearhart, R. A. 1486
 Geary, I. 51
 Geary, R. J. 1109
 Geddie, J. L. 1071
 Geerdink, M. 871
 Geeta Nanda 599
 Gehrmann, C. K. 803
 Geiger, J. P. 2563
 Geissen, S. U. 882
 Gelderblom, W. C. A. 1897
 Geldner, P. 1018
 Gelhaye, E. 417, 2529
 Gelke, M. D. S. 455
 Gendebien, A. 562
 Gendel, S. M. 673
 Genouw, G. 1017, 1528
 Gentina, J. C. 2458
 Geoghegan, F. 1507
 Gerba, C. P. 651, 933, 2018-2020
 Gerin, C. 1624
 Gerlach, R. 193
 Germirli, F. 2485
 Germández, A. G. 2416
 Geselbracht, J. J. 321
 Gessa, C. 1128
 Getoff, N. 1976
 Gétz, T. J. 2106
 Gey, J. L. 1265
 Ghaly, A. E. 509, 1540, 2169-2171
 Ghanem, E. H. 1193
 Gharsallah, N. 937
 Ghazi, I. M. 942
 Ghisi, M. 760
 Ghosh, M. 2242
 Ghosh, N. C. 1424
 Ghosh, P. 1607
 Ghosh, S. 2355
 Ghosh, T. B. 2246
 Gianelli, M. 518
 Gibson, D. T. 2273, 2297
 Gibson, G. J. 1124
 Giffhorn, F. 2565
 Giggy, M. D. 2119
 Gilardi, G. F. 1601
 Gilbert, H. J. 1793
 Gilbert, M. 1255
 Gilbertson, G. L. 2304
 Gill, C. O. 756
 Gill, S. S. 926
 Gillett, J. W. 1463
 Gilmour, R. A. 1867
 Ginak, A. I. 940
 Giot, R. 869
 Giraffa, G. 1968
 Girardin, H. 1388
 Girdwood, R. W. A. 1867
 Gisiano, P. 728
 Giudici, C. 1959
 Giudici, P. 2544
 Giusti, M. de 728
 Glaser, J. A. 1618, 2288, 2301
 Glatz, B. A. 186
 Glazebrook, M. A. 1809
 Glenn, A. 459
 Glover, A. H. 354
 Glover, P. D. 354
 Gnanaharan, R. 215
 Gnanasekharan, V. 1278
 Gnedenko, B. B. 2372
 Goatcher, L. J. 1871
 Gobbi, C. 1978
 Goble, M. L. 1601
 Godard, F. 1062
 Godden, B. 2476
 Godfree, A. 1864
 Godfrey, I. M. 1943
 Goetz, F. E. 1009, 2283
 Goffic, F. le 808
 Gogoi, B. K. 1621
 Goklen, K. 1148
 Gold, M. H. 2258
 Goldberg, B. S. 1027
 Golden, D. A. 1248
 Golden, M. H. 261
 Golden, T. 1507
 Goldie, F. 1946
 Goldman, E. 1616
 Goldstein, N. 891
 Golinski, P. 690
 Golovleva, L. A. 967, 991-992, 1029, 1413, 1662-1663, 1819
 Goma, G. 2436
 Gomes, D. J. 2566
 Gomes, I. 595
 Gomes, J. 595, 2566
 Gómez, J. 1721
 Gómez, L. F. 1722
 Gómez-Parra, A. 1696
 González, A. 1718
 González, A. E. 432, 938
 González, A. L. 529
 Gonzalez, A. R. 734
 González, B. 1597
 Gonzalez, B. 2441
 Gonzalez, M. P. 2160, 2418
 González, P. C. 2256
 González-Vila, F. J. 432
 Goodfellow, M. 2556
 Goodman, B. J. 2188
 Goodwin, P. 2326
 Goodwin, P. M. 2523
 Gopal, R. 1683
 Gopal, V. 1683
 Gopalan, R. 1675
 Gorden, R. W. 2579
 Gorham, J. R. 1393
 Gorman, L. J. 17
 Gordecki, B. 1541, 1603
 Gorontzy, T. 970
 Gosalvez, F. 174
 Gosek, L. 2574
 Goshal, S. P. 762
 Gottschal, J. C. 1137
 Gouet, P. 418
 Gough, R. H. 1730
 Gould, W. D. 1115
 Goulder, R. 1533
 Goulet, J. 510
 Goutx, M. 2263
 Govi, M. 1128, 2112
 Gowan, B. 1810
 Grabarkiewicz-Szczesna, J. 700
 Grabiner, F. R. 1235
 Graças Almeida, M. das 1909
 Grace, J. K. 231
 Gradl, T. 1503
 Gradova, N. B. 2244
 Graf, E. 225
 Grant, C. 1345
 Grant, I. R. 1922
 Grant, I. S. 17
 Grant, K. A. 40, 1218
 Grant, R. F. 495-496
 Grant, W. D. 2534
 Granum, P. E. 1257
 Grappelli, A. 1000
 Gras, M. H. 1303
 Grassi, G. 634
 Grasso, G. M. 1401
 Grau, F. H. 160
 Gravani, R. B. 19
 Graves, B. 2345
 Gray, E. T. 2467
 Gray, N. 526
 Gray, P. S. 654
 Gray, S. 1213
 Greasham, R. 1148
 Grechkina, G. M. 1565, 2218
 Greebe, R. P. 170
 Green, M. 2454
 Green, M. B. 2143
 Green, S. S. 161
 Greene, R. W. 1491
 Greenhalgh, M. 1345
 Greenwood, C. 493
 Greer, C. 1143
 Grcig, M. 18
 Grenet, E. 418
 Grenier, Y. 561
 Grevtsov, Yu. I. 1459
 Grevy, L. 464
 Griepink, B. 1
 Griest, W. H. 1417
 Griffis, C. L. 1360
 Griffiths, L. 585
 Griffiths, M. W. 678
 Griffiths, P. 2132
 Grimaldi, M. 1886
 Grimason, A. M. 2590
 Grinberg, S. 741
 Groenestijn, J. W. van 1429
 Grogan, G. 963
 Grohmann, K. 948, 984
 Gronbach, G. 548
 Gronchi, C. 37, 1927
 Grönqvist, B. 2474
 Grotenhuis, J. T. C. 1073
 Grover, S. 190
 Grover, T. A. 1563
 Gruber, F. 602
 Grujić, O. 943
 Gruppen, H. 1820
 Gruzina, V. D. 1796
 Gu, X. S. 2146
 Guaita, C. 454
 Guan, J. 1685
 Guan, L. 1684
 Guardati, M. C. 1984
 Guastini, M. 2515
 Guerini, I. 1455
 Guerzoni, M. E. 1215, 1358, 1970, 2004
 Guilbeault, B. 1625
 Guillermo Núñez, A. 519
 Guilloux, Y. 1284
 Guinea, J. 378
 Guiot, S. R. 1504
 Guiraud, P. 1660
 Guizzardi, M. 732
 Güldede, N. 2358
 Gullino, M. L. 123

- Gulliver, A. 896
 Gunnarsson, M. 382
 Gupta, C. D. 142
 Gupta, D. 244
 Gupta, K. 1736
 Gupta, P. S. 1612
 Gupta, R. K. 2468
 Gupta, S. K. 520, 2359
 Gur, A. 1550
 Gurevich, P. 1573
 Gurjala, K. R. 1536
 Gurtu, A. K. 1729
 Gurvinder Singh 1574
 Gusev, A. 178
 Gustin, F. 464
 Gutsulyak, V. D. 1532
 Guwy, A. 1510
 Guyot, J. P. 1477, 1737
 Guzmán, A. M. S. de 729
 Guzmán, C. A. 1984
 Haan, A. de 2279
 Haapala, R. 1176
 Haas, C. N. 1067
 Haas, D. W. de 501
 Haas, P. 696
 Haberl, R. 2444
 Hachicha, R. 1467
 Hackett, T. J. 1041
 Hackney, C. R. 143, 152
 Hadar, Y. 1470, 1541, 1745
 Hadar, Z. 1603
 Hadas, A. 1614
 Haddadin, J. 2457
 Haddock, J. D. 2297
 Hadji-Taieb, N. 2558
 Hadžiosmanović, M. 191
 Haffner, K. E. 121
 Hafker, W. R. 2077
 Hagedorn, C. 2023
 Hagiota, N. 351
 Hagiwara, N. 246
 Hagler, W. M., Jr. 65
 Hahn, G. 26, 187
 Hahn-Hägerdal, B. 1786, 1797
 Hahne 1329
 Haigh, S. D. 305
 Haines, J. R. 2588
 Haith, C. E. 1005
 Hakenbeck, R. 264
 Halada, G. P. 1689
 Hale, D. D. 2061
 Hale, D. S. 812
 Hall, D. O. 1092, 2455
 Hall, E. R. 527, 1107, 1509,
 2440
 Hall, J. F. 1627
 Hall, S. M. 1301
 Hallegraeff, G. M. 1391
 Halliday, W. R. 85
 Hallmann, R. 478
 Haloui, S. 596
 Halsey, B. 1253
 Hamada, A. 2378, 2543
 Hamada, E. 445
 Hamada, N. 410
 Hamasaki, T. 1898-1899
 Hamsch, B. 2216
 Hamdi, M. 365, 504, 872, 1719
 Hamdy, M. K. 46
 Hamed, N. A. A. A. 942
 Hamid, M. Y. A. 1748
 Hamid, S. H. 1021
 Hamilton, H. 1484
 Hammack, T. S. 1327
 Hammer, P. 26, 187, 192
 Hammes, W. P. 1794
 Hanaoka, K. 2209
 Hanay, A. 342
 Hancock, I. 47
 Handa, B. K. 2361
 Hang, Y. D. 1096
 Hanna, J. V. 1943
 Hanna, M. L. 859
 Hansen, E. 489
 Hansen, J. A. 2095, 2595
 Hansen, L. S. 403
 Hansford, G. S. 486, 532
 Hanson, K. G. 1182
 Hanson, R. 568
 Hanson, R. S. 2326, 2500
 Hansson, B. 492
- Hara, Y. 818
 Harada, K. I. 1396
 Haraguchi, H. 1987
 Harayama, S. 2277
 Harden, T. 420
 Harder, W. 636, 638, 1642
 Hardin, W. 637
 Harding, W. R. 2017
 Harker, A. R. 1667
 Harkness, E. 1307
 Harmaa, K. 1111
 Harman, G. E. 617
 Harms, H. 1557
 Harms, N. 2326
 Harnández, T. 1130
 Harner, E. J. 1418
 Harper, D. 237
 Harper, E. 896
 Harper, S. R. 1129
 Harremoës, P. 303, 2088-2089
 Harris, W. J. 640
 Harris, W. L. 899
 Harrison, A. P., Jr. 477
 Harrison, E. Z. 1462
 Harrison, J. C. L. 756
 Harrison, J. S. 2603
 Harrison, M. A. 717
 Harris, R. C. 2135
 Harrod, J. 781
 Hartford, T. 276
 Hartman, P. 1091
 Hartman, P. A. 168
 HarTog, B. J. 1289
 Hartung, J. 851
 Haruta, S. 1710
 Harvath, P. V. 2475
 Harvey, P. 1172
 Harvey, P. J. 1601, 2247
 Harvey, R. B. 64
 Harvey, R. W. 292
 Hasan, A. K. J. 119
 Hasan, H. A. H. 67, 819
 Hasegawa, A. 771
 Hashimoto, K. 1987
 Hassan, A. N. 203
 Hassan, E. S. 850
 Hassanin, N. I. 718
 Hassar, M. 1302
 Hasselmann, C. 2414
 Hassens, A. 1467
 Hassett, J. P. 1649
 Hatakka, A. 1169, 1172
 Hatakka, A. I. 600
 Haug, W. 2272
 Hauser, D. 1255, 1895
 Hausknecht, A. 1949
 Have, P. J. W. ten 545, 2483
 Havel, J. 2220
 Havelaar, A. H. 1
 Havens, P. L. 1666
 Hawkes, D. L. 1510
 Hawkes, F. R. 1510
 Hawkey, P. M. 212
 Hayashi, H. 1396, 1639, 2422
 Hayashi, M. 1769, 1798
 Hayashi, T. 250
 Hayman d'Estiry, R. 15
 Hayward, A. C. 590
 Hayward, K. 2389
 Hazen, T. C. 2541, 2579
 Hazelwood, G. P. 1793
 He, Z. Y. 1759
 Head, I. M. 1153
 Head, J. B. 1299
 Heathcote, G. R. 2451
 Heerenklage, J. 925
 Heeschew, W. 42, 56, 192
 Heeschew, W. H. 187, 1262
 Hefnawy, Y. A. 1986
 Hegde, R. S. 2300
 Hegeman, G. D. 115
 Hegemann, W. 2360
 Heijnen, J. J. 2413
 Heijnen, S. J. 2086
 Heimann, P. 767
 Heinaru, A. L. 2321
 Heinonen-Tanski, H. 1053
 Heintz, C. 1003
 Heising, S. 470
 Heiss, G. S. 1810
 Heitkamp, M. A. 1735
- Heitzer, A. 41, 2053
 Hejzlar, J. 2411
 Heidal, K. 2038
 Helke, D. M. 235
 Hellström, T. 1760
 Helmer, C. 1703
 Hem, L. J. 2396
 Hemida, S. K. 1617, 2269
 Hendry, G. E. 2119
 Hendry, M. J. 2587
 Henis, Y. 1355, 1573
 Henning, D. R. 1332
 Henning, J. C. 1878
 Héno, C. 986
 Henry, C. B. 2267
 Henry, J. G. 2342
 Henry, M. 1507
 Henry, S. T. 551
 Hens, L. 2597
 Henson, D. 734
 Henz, G. P. 134
 Henze, M. 2130, 2395
 Heras, M. d. de las 50
 Herbert, R. A. 1138, 2530
 Herlitz, E. 2399
 Herman, D. C. 444
 Herman, L. 201
 Hernández, E. 816
 Hernández, J. M. 1258
 Hernández, P. E. 1802
 Hernández, T. 1776
 Heron, G. 2162
 Herrera, A. 169
 Herron, P. R. 272
 Herson, D. S. 2046, 2602
 Hervé, C. 146
 Hervé, M. 251
 Hessel, A. 1381
 Hesselink, P. G. M. 1429
 Hesseltine, C. W. 691
 Hetmanski, M. T. 704
 Heuvel, H. van den 1631
 Heuvel, J. C. van den 2548
 Hickey, R. 1641
 Hide, G. A. 1301
 Hierholzer, R. E. 1323
 Higginbotham, N. 2015
 Higgins, T. P. 2217
 Highley, T. L. 790, 1952
 Higuchi, T. 318, 318, 1596
 Hikuma, M. 628
 Hilbert, T. A. 613
 Hilpert, K. 1256
 Hill, D. T. 542, 1523-1524
 Hill, M. 141
 Hill, N. S. 677
 Hill, P. W. 507
 Himmel, M. E. 2489
 Hinchee, R. E. 2064, 2078
 Hindorf, H. 1306
 Hinton, M. 84, 640
 Hinzelin, F. 1781
 Hiorns, W. D. 1153
 Hirai, M. 2493
 Hiramitsu, M. 2510
 Hirano, M. 2567-2568
 Hirata, I. 2378, 2543
 Hirato, C. 2161
 Hirayama, K. 1038
 Hirayama, O. 491
 Hirn, J. A. 155
 Hironaga, K. 648
 Hirooka, E. Y. 1185
 Hirose, T. 1083
 Hirotani, H. 1399
 Hirst, M. L. 640
 Hisano, T. 2539
 Ho, C. H. 1417
 Hocking, A. D. 1249, 1252,
 1841
 Hodson, R. E. 2290
 Hof, H. 264, 1205
 Hoffman, A. S. 2158
 Hogetsu, A. 1457
 Hogsett, D. A. 441
 Hogue, A. T. 161
 Hohl, J. 2163
 Holapfel, W. H. 766
 Holas, J. 2030
 Holden, C. 2120
 Holk, A. L. 2553
- Holler, E. 2559
 Holliger, C. 1557
 Holm, P. E. 2162
 Holmes, P. 1868
 Holst, E. 1894
 Holtzhausen, Y. A. 2487
 Holy, A. von 766, 1320, 1997
 Hoopman, T. 1250
 Hoover, M. T. 912
 Hope, K. M. 1690
 Hopf, S. B. 2569
 Hopkins, D. W. 271
 Hopkins, G. 408
 Hopkins, G. D. 2225
 Hopper, J. R. 861
 Horev, B. 130
 Horie, Y. 1357
 Horikoshi, K. 1157, 2374, 2534,
 2550
 Hormaeche, C. E. 640
 Horn, J. 1681
 Hornby, H. 295
 Horowitz, D. M. 2580
 Hortling, B. 1738
 Horwitz, W. 61
 Hoshino, E. 995
 Hosler, K. R. 1576
 Hosomi, M. 1715
 Hosono, A. 730
 Hossain, M. A. 999
 Houck, M. H. 2341
 Houghton, S. R. 1496
 House, C. 1211
 House, C. H. 912
 Housley, J. N. 2090
 Houtman, J. H. M. 1642
 Houwen, F. 2101
 Hövelmann, A. 876
 Hovorková, A. 1326
 Howard, A. 262
 Howard, L. 34
 Howell, J. 568
 Howgrave-Graham, A. R. 355,
 506, 854, 2153
 Howlett, D. 2027
 Hruďej, S. E. 1871
 Hrůzová, J. 404
 Hsieh, P. C. 1766
 Hsu, C. S. 1005
 Hsu, H. C. 229, 241, 795
 Hu, T. L. 2449
 Hu, X. 2175
 Hu, Z. C. 1167
 Hua, L. L. 571
 Huang, C. P. 2354
 Huang, G. Q. 1498
 Huang, J. 5
 Hubert, W. A. 2501
 Hudson, C. 914
 Hudson, J. A. 147, 1853
 Huertas, S. 175
 Huesemann, M. H. 443
 Hüfner, J. 194
 Hugas, M. 1929
 Hughes, D. S. 640
 Hügle, T. 550
 Huijberts, G. N. M. 2309
 Hul, M. 1525
 Huisbeek, J. 917
 Hult, K. 688
 Hultman, B. 1705
 Humphrey, T. J. 1851
 Hund, K. 866, 2080
 Hung, C. C. 99
 Hung, Y. T. 358
 Hunt, D. A. 237
 Hunt, R. 2490
 Hunter, B. K. 2580
 Hunter, K. A. 1061
 Hunter, P. R. 295, 1869
 Hupe, K. 925
 Hupfer, M. 499
 Hur, H. G. 2208
 Hurst, C. J. 643
 Hurtada, W. A. 1293
 Hurvois, Y. 952
 Huskisson, N. 1795
 Husmark, U. 1234
 Hussain, N. H. 834
 Hustede, E. 2517
 Hutchinson, D. N. 1213

- Hutchinson, N. 2523
 Hutson, R. A. 1988, 1999
 Hutter, J. 393
 Hüttermann, A. 1599
 Huyghebaert, A. 2215
 Huysman, F. 293
 Hwang, H. M. 2290
 Hwang, J. S. 99
 Hwang, W. I. 1804
 Hyun Sook Yoon 965
 Iannuzzi, L. 183
 Iaria, S. T. 1940
 Iborra, J. L. 1039
 Ibrahim, A. 1117
 Ichikawa, H. 457
 Ichikawa, Y. 1893
 Ida, M. 1357
 Idris, A. 1846
 Iida, M. 395
 Iida, T. 1639
 Izuka, Y. 2041
 Ikawa, F. 49
 Ike, M. 580, 2141
 Ikegami, N. 810
 Iheloa, J. O. 799
 Illevoá, V. 1824
 Ilyasdinov, A. N. 1090
 Ilyina, A. V. 594
 Imada, C. 1134
 Imai, A. 322
 Imamura, Y. 217, 2554
 Imanaka, T. 2539
 Imbroglini, G. 737
 Impe, J. F. van 1316
 Inagaki, K. 1083
 Inama, L. 612
 Inamori, Y. 322, 1134
 Inbar, Y. 1470
 Ince, O. 2425
 Inel, Y. 2335
 Ingham, S. 1378
 Ingham, S. C. 329
 Ingledew, W. J. 2533
 Ingvorsen, H. 1566
 Innocentini-Mei, L. H. 1742
 Ino, T. 2013
 Inose, T. 2539
 Inozemcheva, I. V. 1782
 In't Veld, P. H. 1
 Inter-American Institute for Cooperation on Agriculture 1847
 International Atomic Energy Agency 249
 International Dairy Federation Special Issue 633
 Iqbal, J. 460
 Iqbal, M. 1827
 Irigoyen, A. 1860
 Ironside, K. S. 1417
 Irvine, R. L. 310, 2415
 Irwin, D. C. 1585, 1589
 Isa, M. H. 1520
 Isa, Z. 1753, 1846
 Isaacs, S. H. 2130-2131, 2393
 Isbister, J. D. 1410, 1756, 2471
 Isemann, M. 835
 Isensee, A. R. 843
 Ishchenko, N. V. 376
 Isherwood, H. 2153
 Ishi, T. 255
 Ishigami, T. 818
 Ishikawa, T. 1457
 Ishikuri, S. 103
 Ishiwata, H. 254
 Ishizaki, Y. 1798
 Ishizu, A. 401
 Istvánovics, V. 2399, 2404
 Ito, O. 1798
 Itoh, T. 2378, 2543
 Itzigsohn, R. 2308
 Iversen, J. J. L. 2522
 Iversen, S. 1745
 Iwabuchi, T. 445
 Iwami, N. 322
 Iwata, T. 1838
 Iwaya, M. 1310
 Iza, J. 1453
 Jaccarini, J. M. 559
 Jackson, P. J. 2379
 Jackson, T. C. 1964
 Jackson-Moss, C. A. 2443
 Jacob, F. H. 1781
 Jacquez, R. B. 923
 Jaffé, R. 1025
 Jagadish, K. S. 954
 Jagdish Chandra 131
 Jagit Singh 1946
 Jahan, H. 438
 Jahromi, N. 1365
 Jain, D. K. 1072
 Jain, M. C. 2186
 Jain, M. K. 1163, 1789
 Jain, N. 1110
 Jain, V. 977
 Jakobsen, M. 1283
 Jakucs, E. 1818
 Jalali, S. K. 709
 James, A. 920
 James, W. O. 161
 Jamot, J. 418
 Jamuna, R. 1100, 1547
 Janeckzko, A. 1028
 Janetschke, P. 1861
 Janisiewicz, W. J. 734, 1292
 Janjiani, K. L. 1007
 Jankevičiūtė, G. 1012
 Jankevičius, K. 1012
 Jannasch, H. W. 1009, 1135
 Janson, A. 1736
 Janssen, D. B. 1422
 Janssen, D. B. 1570
 Janssen, P. H. 2291, 2367, 2498
 Jansson, M. 2400
 Jantzen, E. 1998
 Jardin, N. 2406, 2410
 Jayaratne, A. H. G. P. 653
 Jayshree, V. 2100
 Jeawon, R. H. 822
 Jechová, V. 1164
 Jedidi, N. 1467
 Jeffries, T. W. 2243
 Jehl-Pietri, C. 146
 Jehle, B. 1517
 Jelbart, J. 523
 Jemmi, T. 145
 Jendrošek, D. 2292
 Jeníček, P. 1671
 Jensen, E. S. 1711
 Jensen, L. H. 978
 Jensen, S. E. 1871
 Jerez, M. C. D. 377
 Jerger, D. E. 2194
 Jericho, K. W. F. 162
 Jewell, D. 705
 Jewell, W. J. 336, 398, 1435,
 1564, 1587
 Jewers, K. 707
 Jha, P. K. 1421
 Jiang, J. N. 2334
 Jimenez, C. S. 2198
 Jiménez, L. 2541
 Jiménez-Díaz, R. 1806
 Jiménez Gómez, S. 2149
 Jin, L. J. 1498
 Jodral, M. 174, 195
 Joergensen, R. G. 420-421
 Isemann, M. 835
 Isensee, A. R. 843
 Ishchenko, N. V. 376
 Isherwood, H. 2153
 Ishi, T. 255
 Ishigami, T. 818
 Ishikawa, T. 1457
 Ishikuri, S. 103
 Ishiwata, H. 254
 Ishizaki, Y. 1798
 Ishizu, A. 401
 Istvánovics, V. 2399, 2404
 Ito, O. 1798
 Itoh, T. 2378, 2543
 Itzigsohn, R. 2308
 Iversen, J. J. L. 2522
 Iversen, S. 1745
 Iwabuchi, T. 445
 Iwami, N. 322
 Iwata, T. 1838
 Iwaya, M. 1310
 Iza, J. 1453
 Jaccarini, J. M. 559
 Jackson, P. J. 2379
 Jackson, T. C. 1964
 Jong, P. de 2385
 Jónsson, Á. 1799
 Jood, S. 697
 Joos, H. 1125
 Joosten, H. M. L. J. 1334
 Jordano, R. 59
 Jordening, H. J. 517
 Joseph, R. 505, 1720
 Josephson, K. L. 933
 Joshi, D. V. 23, 763
 Joshi, S. G. 520
 Joshi, S. R. 1007
 Joson, L. M. 1590
 Jothikumar, N. 2589
 Joyce, T. W. 875, 2439, 2441
 Joyeux, A. 1284
 Ju, M. 315
 Juanico, M. 2124
 Juarez-Garcia, C. H. 2527
 Juknevičius, L. 1012
 Juma, N. G. 495-496
 Jumaran, P. 1034
 June, G. A. 1327
 Junnila, S. 1053
 Junqueira, M. V. 294
 Jurková, M. 2204
 Jursch, R. 1256
 Juszkiewicz, T. 81
 Juven, B. J. 1355
 Juwarkar, A. 2100
 Jůžlová, P. 404
 Kaanane, A. 714
 Kabuki, D. Y. 674
 Kademi, A. 2259
 Kafarski, P. 409
 Kafkova, D. 2411
 Kagawa, H. 1399
 Kahlon, R. S. 1574
 Kaida, N. 1639-1640
 Kaise, T. 2209
 Kaiser, J. P. 2213
 Kajiyama, N. 813
 Kakiichi, N. 1769, 1798
 Kalchayanand, N. 164
 Kalia, A. K. 2479
 Kalkowski, I. 581
 Kaltschmitt, M. 388, 1554
 Kalyuzhnyi, S. 988
 Kalyuzhnyi, S. V. 1763, 1767
 Kamada, A. 255
 Kamata, S. 1769, 1798
 Kamatchiammal, S. 2589
 Kamau, D. N. 197
 Kamei, M. 255
 Kamisawa, C. 1174
 Kamishima, H. 1402
 Kamiya, A. 648
 Kamiyama, Y. 2041
 Kamogae, M. 1185
 Campbell, D. H. 2064, 2069
 Kämpfer, P. 2540
 Kampfuis, H. J. 670
 Kamra, D. N. 1733
 Kane, M. E. 558
 Kaneshiro, S. M. 1552
 Kanno, M. 2573
 Kantardjieff, A. 1483
 Känttilinen, A. 1738
 Käntt, C. A. 144
 Kanwar, S. S. 2479
 Kanzawa, K. 103
 Kao, J. J. 321
 Kapetanios, E. G. 1127
 Kaplan, D. L. 1693
 Kaplan, L. A. 584
 Kaplan, S. 2344
 Kapoor, A. C. 697
 Kapoor, K. N. 116
 Kapperud, G. 266
 Kar, R. N. 2353, 2459
 Karamanov, D. 1062
 Karavaiko, G. I. 1080
 Kareem, N. 923
 Karigar, C. S. 407
 Karlberg, T. S. 371
 Karma, D. N. 2426
 Karnaukhova, E. N. 946
 Karpiscak, M. M. 2569
 Karunandananda, K. 1594
 Kasapgil, B. 2425
 Kashimoto, T. 810
 Kaspar, C. W. 2001
 Kastien, H. 1020
 Kastner, C. 1322
 Katahira, R. 1364
 Katan, J. 2314
 Katayama, A. 1052, 2318
 Katayama-Hirayama, K. 1038
 Kato, N. 1259
 Katoh, Y. 2306
 Katz, L. 1148
 Kaufman, K. M. 781
 Kaul, S. N. 386, 528, 1112,
 2100
 Kaur, K. 2451
 Kaushik, B. D. 1803
 Kavanaugh, M. C. 864
 Kawada, K. 823
 Kawaguchi, Y. 2510
 Kawakami, K. 2325
 Kawamoto, I. 630
 Kawamoto, T. 1762
 Kawamura, O. 771
 Kawamura, Y. 823
 Kawasaki, K. 1436
 Kawashima, H. 1162
 Kay, B. 1994
 Kay, D. 1864
 Kay, R. M. 549
 Kaya, K. 2016
 Kayhanian, M. 2121
 Kayser, R. 935
 Kaysner, C. A. 747
 Ke, H. Y. D. 2379
 Kealy, K. S. 2310
 Kean, M. E. 930
 Keay, G. 2451
 Keely, S. J. 2117
 Keen, N. T. 1297
 Keenan, P. J. 1453
 Keener, W. K. 2542
 Keevin, T. M. 287
 Kehoe, M. 1256
 Kehrberger, G. J. 310
 Keiding, K. 2595
 Kekos, D. 2179
 Keller, W. C. 1194
 Kellner, E. M. 1142
 Kelly, G. J. 1391
 Kelly, H. G. 1433, 2097
 Kelly, R. M. 2549
 Kelso, W. I. 475
 Kemp, R. 640
 Kenefick, S. 1871
 Kenmuir, K. 2084
 Kennedy, J. F. 926, 999, 1543
 Kennedy, K. J. 335
 Kennes, C. 2266
 Kerbel, E. L. 743
 Kerdachi, D. A. 501
 Kerem, Z. 1541, 1603
 Kerr, K. G. 212
 Kerry, E. 863
 Kersten, M. A. S. H. 2366
 Kersters, I. 2101
 Kersters, K. 2368
 Keskar, S. S. 1825
 Ketaki Chowdhery 793-794
 Kettern, J. T. 2165
 Keusch, A. 145
 Kevbrina, M. V. 1079
 Kewalramani, N. 2426
 Keyzer, R. 286
 Kezhao, Z. 1489
 Khalafalla, F. A. 157
 Khalif, S. H. 1892
 Khalil, E. F. 942
 Khalil, A. M. 2269
 Khan, A. 1446
 Khan, M. A. 1492, 2005
 Khan, M. I. 1006
 Khan, M. M. H. 176, 207
 Khan, S. N. 793-794
 Khanna, P. 531, 1591, 2589
 Khanna, P. K. 926
 Khanna, P. N. 762
 Khasin, A. 1604
 Khattab, A. A. 199, 1336
 Kheiralla, Z. H. 718
 Khire, J. M. 1006
 Khlobystova, O. S. 2319
 Khmel, I. A. 2499

- Khmelenina, V. N. 2280
 Khorshid, M. A. 375
 Khramtsova, T. G. 2174
 Ki Moon Pae 965
 Kiene, R. P. 2375
 Kihou, N. 1432
 Küllerich, O. 865
 Kikuchi, R. 1057, 2201
 Kilani, J. S. 1102, 2145
 Killilea, E. 1507
 Kim, A. H. 260
 Kim, B. H. 587
 Kim, B. R. 2475
 Kim, H. Y. 587
 Kim, I. S. 1441
 Kim, J. M. 587
 Kim, J. W. 770, 1360
 Kim, M. 246
 Kim, T. S. 587
 Kim, Y. B. 2516
 Kim, Y. K. 906
 Kimsey, P. 2577
 Kimura, A. 2539
 Kimura, H. 2510
 Kimura, K. 1357
 Kimura, T. 265, 1544
 Kinderlerer, J. L. 1276
 King, A. D. 1240, 1244, 1252, 1841
 King, A. D., Jr. 727, 1884
 King, J. M. H. 1405
 King, L. A. 640
 King, R. J. 1051
 Kinzelbach, W. 2063
 Kirchhoff, H. 187
 Kirchmann, H. 1764, 2115
 Kiriyama, K. 1447
 Kirk, L. A. 2428
 Kirk, R. 27
 Kirk, T. K. 790
 Kirschner, L. M. 1997
 Kishi, T. 265
 Kishimoto, S. 771
 Kishore, L. 1421
 Kishore, P. 710
 Kitamoto, D. 1174
 Kitamura, K. 1757
 Kitamura, Y. 2422
 Kiyohara, h. 1639
 Kiyohara, H. 1640
 Kizlenko, O. I. 94
 Kjær, B. N. 978
 Kjeldsen, P. 2162
 Klaenhammer, T. R. 1807, 1983
 Klapatch, T. R. 507
 Klapwijk, A. 2140
 Klasson, K. T. 1160, 2461, 2469
 Kleemann, J. 1996
 Kleene, J. W. 901
 Klein, B. P. 758
 Klein, J. 741
 Kleinstück, R. 2222
 Klemm, W. 1887
 Kleuver, E. H. 871
 Klingenberg, M. 1043
 Klingspohn, U. 998
 Kløft, L. 2395
 Klüber, H. D. 2363
 Knabel, S. J. 770
 Knackmuss, H. J. 2270, 2272, 2274
 Knapp, J. S. 2212
 Knapp, R. M. 1010
 Kneifel, W. 1910
 Kneller, P. B. 667
 Knippenberg, K. van 332, 1502
 Knoblock, M. D. 1736
 Knowles, C. J. 1690
 Knudtson, L. M. 168
 Ko, R. 568
 Kobashi, T. 318
 Kobawila, S. C. 1784
 Kobayashi, A. 775
 Kobayashi, S. 2480
 Kobayashi, Y. 1402
 Körberle, E. 390
 Kobilcer, I. 1297
 Koch, H. 2313
 Koch, J. 971
 Kochba, M. 902-903, 2387
 Kock, J. L. F. 1882
 Kocková, E. 2028-2029
 Kodama, M. 259
 Koedukula, P. S. 1680
 Koelman, A. A. 2198
 Koevoets, W. A. A. 1458
 Koffskey, W. E. 1981
 Koga, H. 2209
 Koga, Y. 2573
 Koh, B. T. 830
 Kohl, J. G. 610
 Köhler, A. 2274
 Kohno, S. 2573
 Kohno, T. 2219
 Köiv, V. M. 2321
 Koizumi, J. 877
 Koizumi, Y. 842
 Koijima, S. 347
 Kokubo, Y. 1310
 Kolb, H. E. 2033
 Kolisch, G. 919
 Kollár, G. 2042
 Kollbach, J. 1426
 Komada, H. 1838
 Komarkova, J. 2200, 2412
 Komine, K. 1769
 Komives, C. F. 2315
 Kondo, M. 810
 Kondo, T. 351
 Koníček, J. 516
 König, W. A. 2013
 Konings, W. N. 1147
 Kononen, K. 1397
 Konráðsdóttir, M. 1799
 Koo, Y. J. 572
 Koops, H. 463
 Koops, H. P. 478
 Kopczewski, A. 1903
 Kopp-Holtwiesche, B. 2055
 Korab, J. 2030
 Korde, V. 1419
 Korenevskii, A. A. 1080
 Korkela, H. 754
 Kormelink, F. J. M. 427, 1820
 Korpraditskul, R. 1052
 Korte, H. 996
 Kortstee, G. J. J. 1147
 Korus, R. A. 1167
 Kosaric, N. 914
 Kosaric, N 2419
 Koshiro, A. 648
 Kosson, D. S. 2081
 Koster, I. W. 1514
 Kostyuk, V. B. 887
 Kotysurenko, O. R. 1567, 1763
 Kott, Y. 1178, 1369
 Kovačková, Z. 399
 Kovalev, A. A. 887
 Kovalick, W. W. 2050
 Koyama, N. 2510
 Kozaciński, L. 191
 Kozak, S. 178
 Kozaki, M. 254
 Kozlovsky, S. A. 2202, 2261
 Kozub, G. C. 162
 Kozyreva, L. P. 967, 1662-1663
 Kraakman, B. 455
 Krantz-Rücker, C. 481
 Krause, C. 916
 Krauth, K. 1706, 2085
 Kreber, B. 1942
 Kreiner, W. 595
 Kremer, F. V. 1618
 Kremnický, L. 1044
 Kretschmar, M. 1205
 Krieg, A. 389
 Krisa, K. 1745
 Kristjánsson, J. K. 1799
 Krivonosov, A. A. 1459
 Kríž, P. 2028-2029
 Kroll, R. G. 7, 40, 659, 1218
 Kruawan, K. 2320
 Kruger, P. 1975
 Krumbein, W. E. 803
 Krumme, M. L. 2062
 Kruner, G. 2394
 Krupadanam, G. L. D. 1354
 Kruse, K. P. 2582
 Krugov, V. R. 887
 Krzemieniewski, M. 2082
 Ku, L. W. 1852
 Kua, E. T. 1673
 Kuan, I. C. 603
 Kubátová, E. 247
 Kubena, L. F. 64
 Kubicek, C. P. 602
 Kubota, H. 892
 Kuchel, P. W. 619
 Kudo, K. 356
 Kudo, S. 2340
 Kuenen, J. G. 490, 1692
 Kufner, B. 1517
 Kuhad, R. C. 437
 Kühl, H. 610
 Kuhmann, B. 1751
 Kuhm, A. E. 2270
 Kuhn, E. 384, 392
 Kühn, I. 625, 1189
 Kuida, K. 1950
 Kuiper-Goodman, T. 63, 683
 Kukanova, S. I. 1064
 Kukić, G. 1545
 Kukor, J. J. 1637
 Kulikarni, H. 1112
 Kulpa, C. 2206
 Kulpa, C. F. 2241
 Kulshrestha, S. B. 116
 Kumar, H. 1472
 Kumar, R. 1158
 Kumara, H. M. C. S. 2003
 Kumazawa, S. 2192
 Kümmel, M. 2130-2131, 2393
 Kunc, F. 1050, 2202, 2261
 Kunkee, R. E. 2562
 Kunst, S. 2127
 Kuntz, F. 2414
 Kuntzel, U. 538
 Kunz, B. 1904
 Kupina, L. 939
 Kurane, R. 877-878
 Kurita, H. 1672
 Kuroda, K. 1770
 Kuroda, M. 884
 Kurosawa, A. 588
 Kurum, Z. 363
 Kuruma, A. 2161
 Kusano, T. 2503
 Kushmaro, A. 1619
 Kušnierová, M. 2380
 Kusum Badyal 124-125, 133
 Kutit, S. M. 69
 Kutsal, T. 2337
 Küver, J. 970
 Kuwatsuka, S. 1052, 2318
 Kuyper, T. W. 1949
 Kuznetsov, V. E. 945
 Kvésitadze, E. G. 1170
 Kvésitadze, G. I. 1168, 1170
 Kvien, C. K. 717
 Kvittkin, V. 939
 Kwan, H. S. 462
 Kwatra, M. S. 763
 Kwiatak, K. 1315
 Kwon, D. J. 572
 Laack, R. L. J. M. van 1925
 Labadie, J. 156
 Labib, F. 2210
 Labib, W. 2008
 Labroue, L. 1703
 LaBudde, G. 2033
 Laccisaglia, A. 2007
 Lacey, J. 2032
 Lacey, R. W. 655, 669
 Lack, A. 1155
 Lackey, L. W. 1419
 Lacko, I. 399, 469
 Lacroix, C. 5
 Ladilov, Yu. V. 1796
 Ladousse, A. 1624
 Lafond, P. 894
 Lagaisse, F. 515
 Lai, C. H. 698
 Latinen, P. 1053
 Lakhwala, F. S. 1027, 1558
 Lakshminarayana, G. 824
 Lazar, A. 741, 1355
 Lall, D. 2426
 Larmar, R. T. 2288, 2301
 Lambert, J. D. H. 705
 Lamberts, M. L. 2118
 Larmed, R. 1602, 1793
 Lanciotti, R. 1215, 2004
 Landmeyer, J. E. 482
 Lang, B. 87
 Lang, C. 87
 Langeland, G. 266
 Lanzarini, G. 446, 1013
 Lapidot, M. 740
 Laplace, J. M. 1583
 Lapointe, S. 1743
 Larrauri, J. A. 1915
 Larsen, I. L. 1066
 Larsen, L. M. 1921
 Larsen, T. A. 2088-2089
 Larson, R. J. 2330
 Lasik, J. 516
 Lassen, J. 2038
 Lassus, P. 2009
 Last, A. R. M. van der 332
 Latgé, J. P. 1388
 Latkar, M. 1439, 2299
 Lattuada, C. P. 2576
 Latynov, Y. Y. 1348
 Lau, A. K. 1768
 Laubscher, S. J. A. 2084
 Lauer, W. C. 1750
 Laurent, M. S. 2586
 Laurinavichene, T. V. 2390
 Laurinavichyus, K. S. 968
 Lauzier, C. 2521
 Lavallée, P. 1743
 Law, D. 1829
 Lawford, H. G. 433, 2176
 Lawless, H. T. 19
 Lawrence, D. 725
 Lawrence, J. R. 2587
 Lawson, P. A. 1999
 Lazzari, F. 1979
 Le Bars, J. 2
 Le Goffic, F. 808
 Le Mens, P. 780
 Le Saux, J. C. 1920
 Leach, F. R. 2025
 Leadbeater, B. S. C. 2451
 Leal Silva, M. S. 519
 Leandri, A. 737
 Lecorre, P. 2386
 Lecours, N. 2563
 Leduc, L. G. 1755, 2501
 Lee, C. K. 2336, 2357
 Lee, C. Y. 1789
 Lee, E. 311
 Lee, E. G. H. 1485
 Lee, H. 1783, 2331
 Lee, I. S. 572
 Lee, I. Y. 2538
 Lee, J. J. 1518
 Lee, J. V. 237, 1206
 Lee, N. 1697
 Lee, P. Y. 1707
 Lee, S. T. 1677
 Lee, S. W. 461, 1727
 Lee, W. 232
 Lee, Y. E. 1789-1790
 Leeper, S. A. 2460
 Lefebvre, G. 836, 1356
 Legge, R. L. 1611
 Legmann, R. 1619
 Legnani, P. 666, 726
 Legrand, R. 1466
 Lehr, J. H. 2026
 Leicester, M. 1214
 Leifert, C. 140
 Leipold, H. W. 273
 Leisinger, T. 975
 Leisner, J. J. 1921
 Leisola, M. S. A. 990
 Leistner, L. 1995
 Lejczak, B. 409
 Lema, J. M. 1473, 2266
 Lemieux, R. 2586
 Lemke, J. R. 323
 Lemmer, H. 2133, 2551
 Leontievsky, A. A. 1819
 Leontievsky, A. A. 992
 Lépine, F. 456

- Lepo, J. E. 484
 Lepschy, J. 93
 Lerch, R. N. 563-564
 Lesage, S. 1576
 Leseleuc, J. de 2436
 Lesmana, M. 1994
 Lessard, P. 352
 Lester, J. N. 307, 1026, 1431,
 1665, 2305, 2409
 Letcher, T. 947
 Letimela, O. N. 1873
 Letourneau, N. F. 1104
 Lettinga, G. 332-333, 886, 917-
 918, 1450, 1452, 1502, 1671
 Levavon, D. 2323
 Levidow, L. 640
 Levin, M. A. 1200
 Levinson, A. R. 91
 Levinson, H. Z. 91
 Levré, E. 2011
 Lew, A. E. 4
 Lewin, V. H. 354
 Lewis, A. L. 931
 Lewis, A. R. 1616
 Lewis, D. L. 2290
 Lewis, R. F. 448
 Lewis, R. J. 1290
 Lewis, S. T. 1628
 Lewis, V. P. 512
 Leyris, J. P. 1443
 Leysen, R. 2339
 Lhelguen, S. 2386
 L'homme, B. 1181
 Li, B. Z. 1121
 Li, F. D. 1759
 Li, J. K. K. 597
 Li, J. L. 1121
 Li, K. Y. 861
 Li, L. 2334
 Li, L. Q. 1121
 Li, L. W. 2179
 Li, S. 2208
 Li, S. P. 1654
 Li, X. 1495
 Li, Y. 1360
 Lianquan, L. 1489
 Liao, C. M. 1771
 Liao, K. F. 228
 Liao, P. H. 879, 928, 1768,
 1773, 2486
 Libert, R. 626
 Lidstrom, M. E. 1149, 2326
 Liebergessell, M. 2517
 Lier, J. B. van 917
 Liese, W. 1151
 Lightfoot, N. F. 239
 Lightsey, G. R. 422
 Lih, J. M. 1766
 Lilley, E. 2315
 Lillie, A. 1283
 Lim, G. S. 2357
 Lin, C. J. 1122
 Lin, L. L. 579
 Lin, Y. F. 330
 Liñan, E. 174, 195
 Lind, O. T. 2383, 2596
 Lindberg, T. 625
 Lindén, T. 1786, 1797
 Lindner, W. 87
 Lindsey, S. B. 369
 Lingens, F. 1036
 Linger, M. 767
 Linjordet, R. 1534
 Linke, B. 919
 Linko, M. 1738
 Linko, S. 1176
 Linz, D. G. 1560
 Linz, J. E. 1896
 Lipari, F. 2475
 Lipasova, V. A. 2499
 Lipira, G. 1984
 Lipscomb, J. D. 2527
 Liran, A. 2124
 Lischning, T. 1817
 Lishman, L. 2129
 Lisker, N. 106
 Liss, S. N. 397, 2048
 Litchfield, C. D. 2060
 Little, J. 789
 Liu, M. 568
 Liu, M. H. 898
 Liu, Q. S. 2334
 Liu, R. 2142
 Liu, S. 2054
 Liu, S. L. 1381
 Liu, W. 1555
 Liu, Y. C. 461
 Liver, S. F. 1476
 Livingston, A. G. 1105, 2430
 Llama, M. J. 2455
 Llorens, M. 364
 Lloyd, A. L. 2572
 Lloyd, D. 1191, 2572
 Lo, H. H. 358
 Lo, K. C. 98
 Lo, K. V. 879, 928, 1768, 1773,
 2148, 2486
 Lobanok, A. G. 993, 1636
 Łobaczewski, J. 1812
 Lochmeyer, C. 971
 Lodaya, M. P. 1558
 Lodge, B. A. 400
 Lodi, R. 778
 Logan, B. E. 346, 613, 1408,
 2304
 Logreco, A. 96, 735
 Logsdon, G. 932, 1772
 Logtestijn, J. G. van 177
 Lohest, M. A. 986
 Lohmann, M. 1794
 Lohmeier-Vogel, E. M. 1783
 Loizidou, M. 1127, 1535
 Lokin, P. 1126
 Lomaniec, E. 741
 Lombard, A. B. 1258
 Lomtashvili, T. V. 1170
 Lonergan, G. T. 2432, 2570
 Lonsane, B. K. 1042
 Lonvaud-Funel, A. 1284
 Loosdrecht, M. C. M. van 2086,
 2413
 Loosdrecht, M. V. 871
 Lopes, H. R. 50
 López-Baca, A. 1721
 Lopez-Llorca, L. V. 1643
 Lopez-Real, J. 2113
 Lopez-Real, J. M. 338
 Lopez-Sabater, E. I. 750
 Lopretti, M. I. 416
 Lorbach, S. C. 485
 Lorenz, M. G. 1140
 Los, F. J. 849
 Losi, M. E. 1808
 Löötönen, S. 1691
 Lotter, S. 925
 Louembe, D. 1784
 Lovell, R. A. 78
 Lovley, D. R. 2276
 Low, K. S. 2336, 2357
 Lowe, C. R. 2584
 Lowe, S. E. 1163, 1789
 Lowengart, A. 902
 Lu, F. L. 1689
 Lu, G. Z. 1829
 Lu, Z. 2211
 Lucchini, J. J. 808
 Lucena, F. 1866
 Lucht, L. 274
 Lucia, L. M. 753, 812, 1964
 Luck, B. T. 789
 Lüdemann, H. D. 432
 Ludrini, R. 1928
 Lues, J. F. R. 1273, 1907
 Lugt, A. W. van der 1250
 Luis, G. 1352
 Lukáč, M. 2010
 Lund, B. M. 832-833
 Lundbäck, K. M. O. 1160
 Lundell, T. 1172
 Lundell, T. K. 600
 Lundholm, M. 2474
 Lung, W. S. 308
 Luque, M. 2150
 Lurie, S. 741
 Lute, J. R. 1005
 Luther, D. 499
 Lüthy, J. 679
 Luton, P. 2537
 Luyben, K. 871
 L'vova, L. S. 94
 Lyberatos, G. 2123
 Lyford, K. 441
 Lykins, B. W., Jr. 1849, 1981-
 1982
 Lynd, L. R. 441, 507, 1508
 Lyngsø, B. 978
 Lyon, W. J. 186
 Ma, A. N. 1724
 Maadhah, A. G. 1021
 Maas, J. A. W. 1446
 Maat, D. 914
 McAllister, J. S. 1253
 Macarie, H. 1737
 Macario, A. J. L. 2102
 McAthey, P. 47
 Macauley, B. J. 896
 McCain, J. W. 1941
 McCammon, S. 693
 McCarthy, A. J. 1153
 McCarthy, J. A. 1937
 McCarthy, S. A. 151
 McCartney, D. M. 885
 McCarty, P. L. 408, 450, 1437,
 2064, 2068, 2223, 2225, 2289
 McCarty, S. 2505
 McCay, S. G. 46
 McChesney, D. G. 78
 McClure, T. A. 1465
 McComb, A. J. 1093
 McConnell, D. B. 558
 McConnell, V. D. 1407
 McCormick, J. K. 1222
 McCoy, R. P. 319
 McCutcheon, S. C. 308
 MacDiarmid, J. A. 788
 Macdonald, C. R. 1404
 McFarland, M. A. 1626
 McFeters, G. A. 801
 McGahey, C. 2240
 McGill, W. B. 495-496
 McGilveray, I. J. 400
 McGraw, R. L. 1878
 MacGregor, J. F. 1509
 McGrew, P. 1730
 McHale, A. P. 1041
 McHale, L. 1041
 Machek, F. 404
 Machuca, A. 2251
 McInerney, M. J. 1010, 2310
 MacIntyre, W. G. 1014
 McIver, D. 1253
 McKay, A. M. 208, 567
 Mackay, V. E. 16
 Mackeigan, K. 1917
 McKeith, F. K. 758
 McKenna, D. N. 721
 Mackenzie, F. T. 2365
 Mackie, G. L. 1362
 Mackie, R. I. 1961
 McKune, I. 18
 Maclean, J. L. 1311, 1842
 McMeekin, T. A. 43
 McNabb, J. F. 2024
 McNeil, M. 1801
 Macris, B. J. 2179
 Macy, J. M. 591
 Madamwar, D. 2152, 2193
 Madamwar, D. B. 2250
 Madan, M. 368
 Madsen, E. L. 852
 Madsen, H. 325
 Madubuike, F. N. 95
 Mäe, A. A. 2321
 Maekawa, A. 254
 Maekawa, T. 385, 1771, 2422
 Maestro, R. 2150
 Maezawa, A. 884
 Magan, N. 1296
 Magdoub, M. N. 1337
 Maget-Dana, R. 248
 Magid, H. M. A. 1177
 Maguire, H. 1214
 Maguire, H. C. F. 16
 Mah, R. A. 2502
 Mahadevan, A. 412, 983
 Mahadevan, B. 2214
 Mahasneh, I. A. 30
 Maher, D. 10
 Maheshwari, R. C. 927
 Maheshwari Devi, K. 1683
 Maheswari, D. K. 438
 Mahmood, S. N. 530
 Mahmoud, M. A. H. 199
 Mahmoud, M. I. 109, 713
 Maier, D. 845
 Maier, E. A. 1
 Maiffreni, M. 828
 Maijala, R. 764
 Maijala, R. L. 155
 Mainwaring, D. E. 2432, 2570
 Maiti, T. K. 2246
 Majcherczyk, A. 1599
 Majorus, P. 1900
 Majid, F. 1214
 Major Singh 86
 Mäkitalo, L. I. 324
 Malama, G. A. 820
 Malczan, M. 188
 Maldonado, M. C. 2328
 Malekzadeh, F. 435
 Malhi, C. S. 1395
 Malik, K. A. 2043
 Malina, G. 1414
 Maliszewska, I. 409
 Malizio, C. J. 781
 Malladi, B. 329
 Mallah, M. A. 1634
 Mallard, G. E. 2024
 Mallick, N. 2351
 Malloggi, L. 1204
 Malmqvist, A. 1747
 Malonga, M. 1784
 Maltseva, O. V. 991-992, 1029,
 1819
 Man, A. de 332
 Manaa, A. M. 158
 Manabe, E. 2567-2568
 Manabe, M. 708
 Manakov, M. N. 373
 Manca de Nadra, M. C. 724
 Mancilha, I. M. de 377
 Mandal, A. 2349-2350
 Mandl, M. 1075
 Manfreda, G. 1358
 Manfrin, P. 454
 Manganelli, E. 760
 Manicardi, G. 2495
 Mann, A. 1434
 Mann, E. J. 513
 Mann, S. G. 640
 Mannebeck, D. 550
 Manning, J. 2206
 Manoharan, C. 1099
 Manokhina, I. M. 2499
 Manresa, M. A. 378, 2329
 Mansour, M. H. 509, 2169-2171
 Manzano, M. 828
 Manzoni, M. 1568
 Mara, D. 614, 1493-1494,
 1496, 1522
 Maragno, A. L. F. C. 1451
 Marai, I. F. M. 645
 Marais, G. R. 1501, 1725-1726
 Marasas, W. F. O. 1897
 Marchaim, U. 916
 Marchessault, R. H. 2521
 Marchi, M. 796
 Marchin, G. L. 604
 Marchioni, E. 2414
 Marcin, C. 1148
 Marcipar, A. 180
 Marcoux, V. 510
 Maree, J. P. 2443
 Margalit, R. 2177
 Margesin, R. 1328, 2552
 Marignetti, N. 589
 Marin, M. L. 154
 Marino, P. 837
 Marits, R. O. 2321
 Markina, N. S. 373
 Marklund, S. 324
 Markovich, N. A. 1150
 Marmer, B. S. 1321
 Marquardt, R. R. 1878
 Marrão, G. 2014
 Marschner, B. 488
 Marsden, J. L. 1990
 Marshall, D. L. 143
 Marshall, M. 2505
 Marshall, V. M. 1159
 Martens, T. 1316
 Marth, E. H. 1986
 Martikainen, P. 1691
 Martín, A. 883, 921, 1722, 2150

- Martin, A. 1119
 Martin, A. M. 2157, 2417
 Martin, A. M. 1460
 Martin, C. 2013
 Martin, D. R. 161
 Martin, I. D. 1362
 Martin, J. H. 1777
 Martin, J. L. 308
 Martin, L. M. 1323
 Martin, M. 1584
 Martínez, A. T. 432, 938, 1166, 1586
 Martinez, E. O. 2256
 Martinez, J. M. 662
 Martinez, M. U. 775
 Martinez-Manzanares, E. 1221
 Martinez Nieto, L. 1097
 Martínez-Teruel, A. 1123
 Martini, A. 1881
 Martíneková, L. 404
 Marui, M. 2555
 Maruscik, D. A. 1129
 Maruta, H. 366
 Maruyama, T. 1310
 Marwaha, S. S. 926
 Marx-Figini, M. 2257
 Marxsen, J. 2405
 Marzi, L. de 15
 Masaoka, S. 396
 Masciandaro, G. 1776
 Mashiko, Y. 560
 Mason, D. J. 2572
 Masselin, P. 2009
 Masson, L. 1143
 Masson, P. 150
 Masterton, R. G. 17
 Masuda, T. 1310
 Masuda, Y. 2480
 Masunaga, S. 2199
 Mata-Alvarez, J. 1511, 2147
 Matavulj, M. 2369
 Mateos, C. A. 656
 Materassi, R. 565
 Mates, A. 1865
 Mathias, A. L. 416
 Mathieu, F. 836, 1356
 Mathiot, S. 1443
 Mathur, S. K. 2172
 Mathur, S. P. 2108-2110
 Matiru, V. N. 423
 Matrubutham, U. 1667
 Matsuda, A. 1436
 Matsui, Y. 445, 1399
 Matsumoto, S. 1049
 Matsumoto, Y. 401
 Matsumura, S. 823, 1672, 2327
 Matsutaga, T. 1798, 1967, 2340, 2567-2568
 Matsuo, M. 1057, 2201
 Matsuoka, H. 628
 Matsuyama, Y. 1899
 Matthiassch, G. 136
 Matthiasson, E. 1799
 Matthies, C. 2203
 Mattiasson, B. 608
 Mattioli, A. 755
 Mattos, M. J. T. de 2548
 Matucha, M. 316
 Matumoto, C. 1513
 Matveeva, N. I. 2264
 Matyáš, Z. 1326
 Mauguin, S. 150
 Maule, A. 2537
 Maurya, M. S. 1780
 Marvinic, D. S. 880, 1433, 2097, 2148
 Mavoungou, O. 1784
 May, R. J. 2303
 Maycroft, K. A. 627, 838
 Mayer, F. 2519
 Mayes, M. A. 2593
 Mayfield, C. I. 452
 Mayfield, M. P. 1003
 Maynard, A. A. 541
 Mazzeo, A. 774
 Mazzini, C. 1914
 Mazzucotelli, L. 1103
 Mbata, G. 1973
 Meakins, N. C. 1431, 1665
 Mebus, C. A. 1211
 Mededelingen van de Faculteit Landbouwwetenschappen, Universiteit Gent 632
 Medina, M. 776
 Meena, G. 954
 Meenen, P. van 1017, 1528
 Mees, S. G. M. 2366
 Meher, K. K. 2525
 Mehlnhart, G. 2392
 Mehta, P. K. 699
 Meieriposten 3
 Meij, J. van der 2413
 Meincke, M. 257
 Meisheng, N. 1489
 Meister, M. 2547
 Méjean, S. 251
 Melbostad, E. 2038
 Melcer, H. 521, 1433, 2294
 Melin, E. S. 2302
 Melino, C. 13
 Mellis, R. 1425
 Melo Serrano, A. de 674
 Meloni, R. 1236
 Ménard, D. 146
 Menasherov, M. 712
 Mencarelli, F. 1236
 Menck, H. 514
 Mendez, R. 1473
 Mendoza, A. 1765
 Mendoza, E. R. 1659
 Meneveri, E. 675
 Meng, J. 2577
 Menge-Hartmann, U. 2159
 Mengert, U. 1861
 Mens, P. le 780
 Men'shikova, O. A. 2174
 Mercadé, M. E. 378
 Mercade, M. E. 2329
 Mercier, C. 1875
 Mercier, G. 1676, 2338
 Mercier, J. 1300
 Mergaert, J. 2368
 Mergeay, M. 2339
 Meriç, S. 856
 Merigh, M. 2210
 Merko, I. T. 69
 Merli, C. 1511
 Mermelstein, L. D. 969
 Mermelstein, N. H. 752
 Merrett, H. 1864
 Merrett, M. 731
 Merrill, J. 309
 Merwe, M. van der 1728, 2156
 Mescole, J. F. 150
 Mesina, O. G. 1590
 Messenger, J. R. 2084, 2091-2093
 Messi, P. 2495
 Messner, R. 602
 Metlitskaya, A. Z. 2499
 Metwalli, N. H. 203
 Metz, R. 867
 Metzger, K. U. 695
 Meunier, J. 1731
 Meunier, N. 2364
 Mey, L. de 2215
 Meyer, B. 420
 Meyer, C. 1426
 Meyer, J. S. 2398
 Meyer, R. L. 1088
 Meyerhoff, M. E. 1833
 Mhaisalkar, V. A. 531
 Mhaskar, S. Y. 824
 Miakshina, I. V. 2244
 Micco, C. 694
 Michaeli, R. 106
 Michalčáková, S. 110, 1989
 Michard, J. 1265
 Michel, G. 248, 1076
 Michel, M. 1356
 Michel, M. F. 1858
 Michelisen, D. 2448
 Michiels, F. 1125
 Middelhoven, W. J. 455, 1883
 Middleton, A. C. 1560
 Middleton, J. 237
 Midland, S. 1297
 Miernik, A. 1059
 Mieth, D. 639
 Miettinen, I. 1691
 Mihaltz, P. 1445
 Mihara, M. 351
 Mihm, J. 705
 Mikami, M. 1319
 Mikesell, M. D. 1637
 Mikhailova, R. V. 993
 Mikúšová, J. 205
 Militz, H. 1953
 Mill Industry 1939
 Millard, C. S. 2421
 Mille, G. 1624, 1634, 2263
 Miller, A. C. 287
 Miller, D. M. 555
 Miller, F. C. 345, 896
 Miller, L. G. 2391
 Miller, M. 1273
 Miller, R. N. 1627
 Miller, S. 2559
 Millet, J. 428
 Millière, J. B. 836
 Mills, S. W. 1494
 Milstein, O. 1599
 Min, Q. 1830
 Minami, T. 1544
 Minard, R. D. 2213
 Mineeva, N. M. 2384
 Minet, F. 720
 Ming, L. S. 825
 Ming, X. 649
 Minniti, A. 183
 Minton, N. P. 2537
 Minvielle, N. 897
 Minz, D. 1682
 Mioković, B. 191
 Mioni, R. 1886
 Mishra, B. K. 102
 Mishra, P. 1582
 Mishra, P. N. 1736, 1758
 Mishra, P. R. 102
 Mishra, S. C. 104
 Misra, M. 536
 Misra, P. R. 209
 Mišura, B. 2380
 Mitchell, E. 16
 Mitchoff, M. E. 226
 Mitsui, E. 291
 Mittal, V. P. 716
 Mittelman, M. W. 807, 2578
 Miura, H. 1310, 1319
 Miura, I. 2573
 Miura, Y. 1967
 Miyabara, Y. 1775
 Miyabe, M. 771
 Miyahara, H. 2573
 Miyaji, Y. 1223
 Miyajima, T. 1700
 Miyake, Y. 813
 Miyama, M. 1082
 Miyamori, K. 814
 Meunier, H. K. 1476
 Miyamoto, K. 964, 1134
 Miyao, S. 814, 1184
 Miyata, H. 810
 Miyata, Y. 2370
 Mizitii, A. 924
 Mizunashi, W. 434
 Mlejnková, H. 2028
 Mylnarčík, D. 399, 469
 Mo, O. 1322
 Mobley, M. H. 1066
 Modesto Filho, P. 1454
 Modi, R. 695, 1902
 Moen, A. R. 2477
 Moguchi, M. 217
 Mohagheghi, A. 948
 Mohamed, M. 1620, 1846
 Mohamed, Z. G. 109
 Mohammad Jawed 331
 Mohammed, M. D. 84
 Mohanty, B. K. 1754
 Mohapatra, H. K. 102
 Mohn, W. 976
 Mohsin, M. 2087
 Mohz Azib Salleh 620
 Mojović, L. 1545
 Molen, D. T. van der 849
 Molenda, S. 1207
 Moletta, R. 1443, 1583-1584
 Molina, J. A. E. 1614
 Molina, N. 2114
 Molina, O. 380
 Molinari, F. 1568
 Molitoris, H. P. 2369
 Möllby, R. 1189
 Møller, J. 1566
 Møller, J. 2604
 Momohara, I. 401
 Moncheva, S. P. 1919
 Moneris Aparisi, C. 1862
 Monfort, J. M. 1929
 Monfort, P. 1920
 Monilao, S. 829
 Montagu, M. van 640
 Montaño, A. 2423
 Monte, M. 1957, 2006
 Montemagno, C. 2206
 Montemayor, M. I. 2160
 Montgomery, J. J. 2026
 Monticello, D. J. 522
 Montigny, C. de 2401
 Montville, T. J. 243, 1923
 Moody, M. W. 143
 Mookiman, K. 1
 Moon, S. H. 2421
 Moore, K. O. 443
 Moore, M. D. 2344
 Moorman, M. 586
 Moorman, T. B. 2324
 Moosbrugger, R. E. 1501, 1725-1726
 Mora-Ventura, M. T. 750
 Morabito, A. 92, 668
 Morag, E. 1793
 Morais, P. V. 1225
 Moral-Rejesus, B. 289
 Morão de Campos, R. 1308
 Moreau, J. L. 1791
 Moreira, W. L. 1802
 Morel, F. 650
 Moreno, B. 1848
 Moretti, A. 96
 Morgan, H. W. 2498, 2531
 Morgan, J. A. W. 2528
 Morgan, M. R. A. 1275
 Morgan, P. 1415, 1628
 Morganati, R. 1204
 Mori, I. 1447
 Mori, T. 802
 Morin, D. 2457
 Morinaga, T. 1963
 Morinigo, M. A. 1221
 Moritani, T. 1640
 Moriya, K. 2374
 Moriyama, Y. 280
 Morken, J. 543
 Morell, J. 226, 1361, 2575
 Morrill, K. 2105
 Morris, G. K. 1346
 Morris, G. P. 1867
 Morris, P. I. 1951
 Morris, P. J. 1033
 Morris, S. 2305
 Morrison, D. 2434
 Morrison, L. 18
 Morse, D. L. 1214
 Morse, G. K. 2409
 Morsiani, M. G. 723
 Morvai, L. 1445
 Mosier, A. R. 860
 Mosratí, R. 2558
 Moss, M. O. 687, 1390
 Mossakowska, A. 1702, 1705
 Mossel, A. 654
 Mossó, C. 1978
 Mostert, J. F. 2424
 Mote, C. R. 901
 Mottier, V. 908
 Motwani, M. 1591
 Moubayed, N. 526
 Mousa, M. M. 173
 Moustafa, S. 179
 Moustafa, S. I. 1986
 Mousumi Ghosh 599
 Moysan, E. 429
 Mozola, M. A. 182
 Mravcová, I. 951
 Mráz, O. 1326

- Muehlenkamp, E. 782
 Mueller, J. G. 1618
 Muheim, A. 990, 2247
 Muir, D. C. G. 1404
 Muirhead, T. 894
 Mukerji, K. G. 642
 Mukherjee, P. K. 1112
 Mulak, V. 745
 Mulas, M. 128
 Mulder, M. M. 1166
 Mullen, D. K. van 1192
 Müller, E. 2546
 Müller, H. M. 695, 1902
 Müller, R. J. 1019
 Müller-Hurtig, R. 449
 Mulligan, C. N. 1731
 Munakata, J. 2225
 Müncik, E. 2527
 Muñoz, M. A. 1221
 Munro, P. M. 1380
 Murad, H. A. 2429
 Murado, M. A. 2160, 2418
 Murakami, T. 2180-2181
 Murari, K. 1612
 Murata, K. 2539
 Murata, M. 995
 Murohisa, T. 395
 Murooka, Y. 1963
 Murphy, K. L. 1509, 2129
 Murray, W. D. 447, 525
 Murugkar, H. V. 1931
 Murwira, H. 1764
 Murzakov, B. G. 2319
 Musacco, A. 2147
 Muslu, Y. 326, 873
 Mustrantha, A. 2447
 Mutua, L. N. 1173
 Myasoedova, N. M. 991-992,
 1819
 Myburg, C. 2154
 Myers, C. R. 1154
 Myers, J. M. 1154
 Myska, J. 2099
 Nada, A. M. A. 431
 Nader Filho, A. 1940
 Nadra, M. C. M. de 724
 Naem, S. 530
 Naeyer, F. de 1017, 1528
 Nagai, H. 1396
 Nagai, S. 366
 Nagai-Miyata, Y. 1787
 Naganawa, T. 1838
 Nagar, A. P. 1803
 Nagaraja, G. N. 1118
 Nagasawa, S. 1057, 2201
 Nagata, M. 813
 Nagata, Y. 1057, 2201
 Nagavani, H. C. 216
 Nagawa, A. 1331
 Nagina Grover 1574
 Nagle, N. J. 2489
 Nahar, N. 119
 Nahdy, M. S. 1270
 Naïbo, B. 1047
 Nail, B. V. 1241-1242
 Nair, S. 1421
 Nakahara, T. 1174, 2325
 Nakai, R. 2550
 Nakai, T. 2306
 Nakajima, H. 1899
 Nakajima, M. 771
 Nakajima, Y. 1787
 Nakajo, M. 280
 Nakamura, C. 2340
 Nakamura, I. 877-878
 Nakamura, N. 2568
 Nakamura, S. 53, 2510, 2550
 Nakamura, T. 284, 434
 Nakamuro, K. 350
 Nakane, T. 1174
 Nakanishi, K. 2555
 Nakas, J. P. 1649
 Nakasaki, K. 892
 Nakashima, N. 1826
 Nakashimada, U. 830
 Nakasone, H. 1497
 Nakayama, K. 1082
 Nakhla, G. F. 1032
 Nallie, R. 737
 Nam, S. W. 2538
 Namikoshi, M. 1872
 Nanda, G. 2242
 Nandy, T. 386, 528, 1112
 Narasaki, Y. 1967
 Nardelli, S. 301
 Narkiewicz-Jodko, M. 711
 Narkis, N. 1369
 Nascimento, E. S. 1909
 Nason, R. B. 2125
 Nasr, M. I. 2260
 Nassar, M. A. 2169-2171
 Nasu, Y. 356
 Natarajan, K. 1421
 Natarajan, K. R. 108
 Natarajan, M. R. 2211
 Nath, B. 2597
 Naumova, R. P. 966
 Navarro, J. M. 1042, 1583-1584
 Navas, J. 428
 Naveau, H. 985-986
 Naveau, H. P. 869, 1454
 Nazhad, M. M. 2245
 Nedweil, D. B. 936
 Neglia, R. 2495
 Neijssel, O. M. 2548
 Nekrasova, V. K. 887
 Nell, F. J. 533
 Nelson, P. E. 55, 113
 Nelson, Y. M. 336, 398
 Nesbakken, T. 1216
 Nesheim, S. 61
 Nettles, C. G. 242
 Neudörfer, F. 2497
 Neuhauser, E. F. 1560
 Neutter, J. de 1125
 Newberne, P. M. 71
 Newman, L. M. 2208
 Newton, D. 1213
 Ng, M. H. 1829
 Ngang, J. J. E. 1104
 Nguyen, M. 1794
 Nguyen The, C. 1916
 Nguz, K. 2215
 Ni, S. S. 2195
 Niang, P. N. 1309
 Nicholls, P. H. 1661
 Nichterlein, T. 1205
 Nicolai, B. M. 1316
 Nicolardot, B. 2476
 Nicole, M. 2563
 Nicolini, L. 944
 Niel, E. W. J. van 490
 Nielsen, B. H. 1894
 Nielsen, D. M. 2026
 Nielsen, M. 325
 Nielsen, M. K. 2388
 Nielsen, P. H. 2162
 Nielsen, P. V. 1286, 1386
 Niemenmaa, O. 1169
 Niessen, L. 281
 Nigam, K. D. P. 2359
 Nigg, H. N. 70
 Nijs, W. de 1017, 1528
 Niklis, N. D. 129
 Nikolaev, Yu. A. 2264
 Niku-Paavola, M. L. 991
 Nimis, P. L. 1845
 Ning, Z. J. 335
 Niola, I. 57
 Nir, R. 483
 Nirmalakhandan, N. 2087
 Nishida, K. 318
 Nishikawa, Y. 265
 Nishima, T. 52
 Nishino, S. F. 2285
 Nishio, N. 366
 Nishioka, I. 246
 Nishiyama, M. 1049
 Nissen, H. 1257
 Nitschke, L. 2133
 Nitzan, R. 712
 Nivedita Sharma 440
 Nivens, D. E. 1188
 Nix, P. G. 1484
 Nixon, C. R. 1922
 Nixon, M. 805
 Nubia, C. 1342
 Noda, S. 802
 Nogueira, J. N. 719
 Nold, S. 1419
 Noletto, A. L. S. 50
 Nonaka, G. I. 246
 Nonaka, T. 802
 Noonan, M. J. 2021
 Nord, L. 492
 Nordgren, A. 298
 Nordsiek, G. 2547
 Norgaard, P. 540
 Noronina, N. A. 2264
 Norris, P. R. 2533
 Norris, R. D. 2064, 2066
 Northway, B. J. 1251
 Nortjé, G. L. 170
 Norton, L. E. 1086
 Notermans, S. 670, 1883
 Notermans, S. H. W. 1250
 Notman, A. W. 17
 Noiüe, de la. J. 1500
 Nourbakhsh, M. 2337
 Nout, M. J. R. 1250, 2557,
 2571
 Novais, J. M. 379
 Novák, J. 1164
 Nováková, O. 1075
 Novozhilova, M. I. 1090
 Noyola, A. 1737
 Nozhevnikova, A. N. 372, 887,
 1567, 1763, 1767
 Nugari, M. P. 1956
 Nunes, M. L. 1308
 Nunes, M. P. 784
 Nuñez, M. 776
 Nuñez, M. 1915
 Nussbaum, R. 223-224
 Nwaibgo, L. C. 95
 Nwoguh, C. E. 18
 Nyberg, U. 1474
 Nychas, G. J. 1351
 Nychas, G. J. E. 769
 Nyns, E. J. 562, 869, 985-986,
 1454
 Oakley, D. L. 909, 2126
 Obilor, S. N. 1537
 Oboebulem, S. I. 24
 O'Brien, S. J. 1208
 Obuekwe, C. O. 227
 Ochiai, K. 630
 Ockerman, H. W. 165
 O'Connor, O. A. 1035, 2081
 Ødegaard, H. 2396
 O'Donnell, A. G. 271, 2556
 O'Donnell, J. P. 2520
 Odunfa, S. A. 606
 Oever, A. H. C. van den 2275
 Oey, L. 1517
 Ofuya, C. O. 1537
 Ofuya, T. I. 1271, 1905
 Oganesyan, G. A. 114
 Ogasawara, T. 351
 Ogata, T. 259
 Ogawa, S. 2219
 Ogbondeminu, F. S. 1854
 Ogden, I. D. 676
 Ogundipe, G. A. 799
 Oh, H. M. 1655-1656
 Oh, K. H. 1668
 Oh, S. E. 337
 Ohe, T. 396, 410
 Ohki, K. 1357
 Ohkoshi, T. 2161
 Ohmoto, T. 410
 Ohmura, N. 1757
 Ohno, A. 1144
 Ohta, H. 964
 Ohta, S. 810
 Ohtsubo, S. 2573
 Oi, S. 1610
 Oie, S. 648
 Oikawa, H. 252
 Ojaruega, E. 290
 Oji, O. 95
 Oji, P. O. 95
 Ok Hee Ryu 965
 Okada, R. 2161
 Okami, Y. 1134
 Okamoto, M. 374
 Okazaki, M. 2567-2568
 O'Keefe, D. 1466
 Okeke, B. C. 1139
 Okey, R. W. 961
 Okhuoya, J. A. 1175
 Okimoto, J. 771
 Okon, Y. 2308
- Okpkwasili, G. C. 1342
 Okubo, T. 246
 Okumura, H. 771
 Okuzumi, M. 1288
 Oldham, W. K. 1521, 1712
 Oleskin, A. V. 2190
 Oleszkiewicz, J. A. 885, 1028
 Oliveira, S. S. de 268
 Oliver, G. 1774, 1891
 Oliver, P. 1123
 Olivier, J. M. 897
 Olivieri, G. 1401
 Ollivier, B. 2502
 Ollivier, P. 1076, 2457
 Öllös, G. 2042
 Olsen, R. H. 1051, 1637
 Olson, G. J. 2376
 Olsson, G. 2140
 Olsson, K. 625
 Omed, H. M. 645
 Omel'chenko, M. D. 94
 Omelchenko, M. V. 1145
 Omel'chenko, M. V. 1145, 2280
 Omori, D. 1436
 Onochie, J. E. 79
 Onysko, K. A. 524
 Oorthuys, T. 1126
 Op den Camp, H. J. M. 2366
 Opatken, E. J. 922
 Oragui, J. I. 614
 Orchard, A. C. J. 1969
 Ordoñez, J. A. 1934
 Oremland, R. S. 2391, 2598
 Oren, A. 1573
 Organ, S. J. 2184
 Orhon, D. 856, 2485
 Oriel, P. 2211
 Orikoshi, H. 1134
 Orlando, E. 214
 Orlando, M. 166
 Orlova, N. Yu. 94
 Orlova, T. Yu. 1371
 Orsini, A. 15
 Ortega, G. M. 2256
 Osako, M. 318
 O'Shea, M. 2031
 Oshida, T. 1769, 1798
 Oshins, C. 341
 Osipyan, L. L. 114
 Ostafin, M. 1146
 Ostrowski, M. 615
 Ostry, V. 682
 O'Sullivan, T. 1228
 Oswald, W. J. 956
 Otero, M. A. 2256
 Otis, R. J. 1088
 Otsuka, H. 1769, 1798
 Ottaviani, D. 761, 1926
 Ottaviani, F. 1914
 Ottengraf, S. P. P. 2275
 Otterpohl, R. 2040, 2083
 Ottogalli, G. 33, 210
 Oudot, J. 596
 Ouellette, G. B. 2563
 Oultram, J. D. 2537
 Ouyang, P. K. 1830
 Overend, R. P. 1133
 Overton, E. B. 2267
 Owada, M. 217
 Owen, G. 2108-2110
 Owends, J. D. 1906
 Owens, J. 1466
 Owens, J. M. 2194
 Oyamada, N. 588
 Oyeka, C. A. 79
 Ozaki, M. 1497
 Ozaki, Y. 1432
 Özer, D. 2337
 Ozgur, N. H. 1475
 Pacini, R. 1204
 Packard, J. 807
 Padilla, C. 275
 Padilla, R. B. 2416-2417
 Padma Vasudevan 997
 Padmini, P. 2173
 Padova, R. 740
 Padovan, M. T. 1859
 Pae, K. M. 965
 Page, L. 585
 Page, W. J. 2427
 Pagga, U. 302

- Pahan, K. 2349-2350
 Pai, K. N. 80
 Paik, B. C. 1518
 Paim, G. V. 31
 Painter, T. J. 317
 Pakal'nis, R. 1012
 Palen, C. J. N. M. van de 1925
 Pallotta, M. L. 1834
 Palmer, D. H. 1527
 Palmer, J. A. 2310
 Palmer, J. M. 1601
 Palmer, M. 1256
 Palmisano, A. C. 1129
 Palomba, I. 309
 Palsson, B. O. 1833
 Palumbo, S. A. 1321
 Pan, Y. 1917
 Panchanadikar, V. V. 2353,
 2459
 Panchenko, L. V. 1060
 Panda, N. C. 104
 Pandey, G. S. 1778
 Pandey, K. C. 927
 Pandey, K. D. 1084
 Pandey, P. K. 1141
 Pandey, R. A. 2361
 Pandey, V. N. 1966
 Pandian, S. 2002, 2586
 Panebianco, A. 183
 Panfilov, V. I. 373
 Panic, V. 1506
 Panikov, N. S. 1579
 Panizzi, L. 1204
 Panoš, J. 404
 Pant, A. 1141
 Pantanella, F. 629
 Pantke, M. 1019
 Papadopoulos, A. 1535
 Papoutsakis, E. T. 969
 Paramasivam, R. 531
 Parati, F. 2352
 Parchen, C. A. P. 841
 Parekh, N. P. 1055
 Parfenova, V. V. 1090
 Paris, I. 1556
 Pariza, M. W. 1226
 Park, H. D. 1396
 Park, J. K. 1428
 Park, S. C. 2259
 Park, S. F. 7
 Park, S. J. 2493
 Park, S. W. 1677
 Park, T. G. 2158
 Park, Y. H. 2338
 Park, Y. K. 1548
 Park, Y. S. 2508
 Parke, D. 459
 Parker, J. F. W. 2590
 Parker, W. J. 1107, 2294
 Parkes, R. J. 1186
 Parmar, N. 1187
 Parshad, V. R. 1395
 Parshina, S. N. 1767
 Pascal, G. 1341
 Pasotti, L. 2112
 Paspalof, G. B. 315
 Passarelli, P. 2544
 Passion, R. 1089
 Paster, N. 712
 Pastore, G. M. 1548
 Pastorek, Z. 544
 Pastrana, L. 2160
 Pastrana, L. M. 2418
 Paszko-Kolva, C. 263, 1991
 Patchett, R. A. 659
 Patel, A. R. 2250
 Patel, B. K. C. 583, 1161
 Patel, M. C. 2250
 Patel, N. 731
 Patel, R. N. 568
 Patel, T. R. 1460, 1580
 Patel, V. 2152
 Patel, V. B. 2250
 Paterson, R. 2592
 Patgiri, G. P. 167
 Pathak, N. N. 2426
 Pathak, S. P. 1377
 Pathak, V. N. 131
 Pathe, P. P. 386
 Patil, P. L. 2408
 Patil, P. N. 1569
- Patterson, J. W. 1680
 Patterson, K. S. 1981
 Patterson, M. F. 1324, 1922
 Patterson, R. 77
 Paturkar, A. M. 1931
 Pauchon, V. 592
 Paul, J. 438
 Paul, J. A. 790
 Paula, D. R. 1444
 Paulmurugan, R. 2589
 Paulson, D. S. 1863
 Pauss, A. 1504
 Pavan, P. 1511, 2147
 Pavia, M. 1401
 Pavlenko, G. V. 1965
 Pavlišta, J. 83
 Pavlostathis, S. G. 2282, 2434-
 2435
 Pavlovich, N. V. 831
 Payment, P. 1870
 Payne, M. J. 1218
 Pazzaglia, G. 1994
 Pearson, H. W. 614, 1494, 1522
 Pease, E. A. 597, 1171
 Peck, M. W. 832-833, 2194
 Pedersen, K. 1365
 Pedron Moro, E. M. 784
 Peduzzi, R. 846
 Peek, R. D. 1953
 Peeters, T. 1506
 Pellegrini, A. 517
 Pellegrini, G. 2011
 Pelletier, É. 1008
 Pelletier, M. J. 1277
 Pelosi, E. 565
 Pemberton, J. M. 620
 Peng, S. F. 228
 Peng, W. K. 289
 Penninckx, M. 2476
 Pennington, P. I. 497
 Penrose, L. J. 1291
 Pentecost, A. 234
 Pepe, O. 837
 Pepi, M. 2377
 Pepper, I. L. 651, 933
 Pera, A. 2116
 Perchard, D. 1717
 Pere, J. 2446
 Pérez-Laguillo, O. 1280
 Peres, C. S. 1513
 Perez, C. 1350
 Perez, J. 2243
 Pérez, J. F. 2191
 Pérez, L. A. B. 656
 Pérez, P. 2564
 Pérez, S. R. 1319
 Pérez Sánchez, S. 621
 Péringer, P. 304, 908
 Perkins-Olson, P. E. 2527
 Perley, T. 1871
 Perotti, N. 380
 Perretti, A. 309
 Perrier, J. 1781
 Perry, A. S. 483
 Perry, R. 2409
 Persad, S. 822
 Pertsova, R. N. 967, 1029
 Pesce de Ruiz Holgado, A.
 1891
 Pescod, M. B. 1487-1488
 Pestka, J. J. 1896
 Péter, G. 1281
 Petersen, B. 1839
 Petersen, D. J. 969
 Petersen, J. M. 1684
 Petersen, J. N. 1685, 2462
 Petersen, K. 803
 Peterson, D. L. 1292
 Peterson, J. O. 930
 Peterson, T. A. 860
 Peterz, M. 1254
 Petitdemange, H. 417, 2529
 Petrov, S. T. 2281
 Petrova, N. 200
 Petrovica, B. 951
 Pettersen, B. W. 978
 Pettersson, K. 2399-2400, 2402
 Petts, J. 2012
 Peyroux, F. 248
 Pezzotti, A. 944
 Pfeffer, J. T. 321
- Pfeiffer, M. 830
 Pham, C. B. 1659
 Phang, S. M. 1846
 Phelps, T. J. 1419
 Philippis, R. de 2515
 Phillips, D. J. H. 958
 Phillips, D. M. 756
 Phillips, J. R. 2461
 Phillips, P. 2345
 Phillips, T. D. 64
 Phillips, V. D. 1555
 Phillips-Jones, M. 1276
 Piadang, S. 1977
 Piatti, G. 1984
 Pichon, M. 2445
 Pickford, J. 1198
 Pickup, R. W. 2528
 Piclet, G. 1920
 Pieper, U. 2517
 Pierce, B. K. 1992
 Piervittori, R. 2007
 Pieterse, T. 665
 Pietersen, B. 1993
 Pietrosanti, W. 1000
 Pietrzak, L. 705
 Pifferi, P. G. 446, 1013
 Pillai, K. R. 1621
 Pillai, R. A. V. 176
 Pillinger, J. M. 2560
 Pin, C. 154
 Piñaga, F. 598
 Pinder, A. C. 659
 Pinder, K. L. 1744
 Pineda, J. M. 1211
 Pinna, D. 1845, 1958
 Pinnette, J. R. 2119
 Pintado, J. 2160
 Pipes, W. O. 1960
 Pire, J. J. 1211
 Pirson, G. 986
 Pirt, S. J. 881, 1531
 Piskorska-Pliszycska, J. 81
 Piskorz, J. 1611
 Pistilli, A. 2044
 Pitt, J. I. 1252, 1841
 Pizzi, A. 792
 Plakunov, V. K. 1079
 Planters' Bulletin Rubber
 Research Institute of Malaysia
 1114
 Plugge, C. M. 1805
 Plummer, M. 1214
 Plusquellec, A. 1920
 Poda, G. 1325
 Podgórska, E. 68
 Pohland, A. E. 62
 Pol, A. 2366
 Polegato, A. R. 1512
 Polissi, A. 2277
 Pollard-Knight, D. V. 2584
 Polovtsev, É. 552
 Polprasert, C. 1067
 Pommerening-Röser, A. 478
 Pommier, J. C. 2436
 Pómpaei, R. 629
 Pompi, V. 737
 Ponomarev, A. V. 1553
 Ponomareva, L. P. 1090
 Poole, D. M. 1793
 Poole, R. T. 557
 Poonam Garg 2072
 Popel, H. J. 2410
 Popoff, M. R. 1255, 1895
 Popov, S. 943
 Poppelier, M. J. J. G. 1888
 Porro, D. 1103
 Porter, D. 1460
 Possee, R. D. 640
 Potter, M. D. 2577
 Poulichek, M. 2365
 Poulsen, N. K. 325
 Poulton, W. 805
 Poumeyrol, G. 1317
 Poutanen, K. 996
 Power, J. F. 860
 Pozo, R. 59-60
 Prabaharan, D. 1694
 Prabhakar, G. 1538
 Prado-Jatar, M. 929
 Pradosh Ray 2504
 Prager, R. 835
- Prairie, Y. T. 2401
 Prakash Chandra 2072
 Prasad, D. 2342
 Prasad, D. Y. 875
 Prasai, R. K. 1964
 Prascritsan, P. 1610
 Prashant Mishra 1582
 Pratt, M. D. 161
 Presnell, T. L. 2439
 Pretorius, W. A. 1739-1741
 Prevot, C. 1455
 Prez, S. de 301
 Price, K. 1148
 Price, M. 1589
 Price, W. D. 78
 Priels, A.-M. 2606
 Prince, M. 442
 Prince, R. C. 1005, 1418
 Prior, B. A. 1273, 2249
 Pritchard, P. H. 1618
 Proksa, B. 1056
 Pronk, J. T. 476
 Proszen, E. M. 1611
 Prospero, E. 1401
 Protic, N. 1367
 Provanan, L. 1885
 Prusky, D. 1297
 Pruzzo, C. 1984
 Pszczola, D. 1938
 Puuhaka, J. A. 2302
 Puhan, Z. 514
 Pujar, B. G. 407
 Pukall, R. 835
 Pulgarin, C. 304, 908
 Pullin, R. S. V. 1842
 Puls, J. 996
 Punekar, N. S. 1675
 Puniya, A. K. 2168
 Punja, Z. K. 137, 742
 Purdy, R. F. 484
 Pureeven, J. B. M. 1166
 Purkarhofer, H. 1817
 Purnendu Ghosh 1607
 Pushparaj, B. 565
 Pussemier, L. 1046
 Putcha, R. V. 1002
 Puzankov, A. G. 1459
 Pyle, B. H. 801
 Qadeer, M. A. 460
 Qian, J. Q. 571
 Qian, X. M. 328
 Qian, Y. 2146, 2463
 Qingxuan, H. 622
 Quagli, E. 1204
 Quah, E. 2037
 Quaroni, S. 706, 1908
 Quensen, J. F. 1033
 Quensen, J. F. III 1657
 Quezada, R. A. 1943
 Quiblier, J. P. 251
 Quigley, D. R. 2466
 Quimio, T. H. 423
 Quinby, H. 1347
 Quintavalla, S. 1285
 Qururk, J. 1517
 Rabi, R. K. 1177
 Racke, K. D. 465
 Radix, A. L. 1837
 Radlein, D. 1611
 Radler, F. 2546
 Radwan, S. S. 1577
 Raffi, F. 267
 Ragini Bisaria 997
 Ragland, R. D. 161
 Raguenes, P. 1920
 Rahaman, G. Y. A. 1892
 Rahman, H. 1212
 Rahman, R. A. 1749
 Rahul Kulshreshtha 2172
 Rai, D. N. 2475
 Rai, L. C. 2351
 Rai, R. D. 424
 Rai, U. N. 2072
 Raichur, A. M. 536
 Raikin, A. I. 1965
 Raimbault, M. 1042
 Raimond, Y. 464
 Rainier, S. 2544
 Rainwater, K. 1003
 Rajan, M. G. C. 953
 Raju, D. C. 1538

- Rakshit, S. K. 2173
 Rakshy, S. E. 1349
 Ram, M. S. 1780, 2494
 Ram Singh 697
 Ramachandran, S. 1132
 Ramadiori, R. 1089
 Ramakrishna, S. V. 1100, 1547
 Raman, V. K. 2361
 Ramaraj Boopathi 2206
 Ramesh, M. V. 1790
 Ramón, D. 415, 598
 Ramos, A. J. 816
 Ramos, L. P. 2245
 Ramos Cormenzana, A. 1097
 Ramos-Cormenzana, A. 1722
 Ramsey, W. D. 2097
 Ramteke, P. W. 1377
 Ranade, D. R. 2525
 Randall, C. W. 1698
 Randle, W. G. 2440
 Rāngēby, M. 382
 Rankin, C. C. 2588
 Ranzi, B. M. 1103
 Rao, A. L. J. 381
 Rao, D. N. 1972
 Rao, D. V. S. 1917
 Rao, V. K. 100-101
 Rapaport, R. A. 1129
 Raschke, H. 2222
 Rase, H. F. 1666
 Rashwan, M. R. A. 172
 Rasmussen, H. 2103
 Rast, H. G. 2222
 Raterman, K. 2433
 Rathgeber, B. M. 1323
 Ratnasudhakar, T. 101
 Rautenbach, R. 1425
 Raval, G. 417
 Ravendran, T. V. 220
 Ravest-Webster, B. P. 1652
 Rawlings, D. E. 2503
 Ray, B. 164, 1201, 1230
 Ray, S. 2349-2350
 Raymond, L. C. 1293
 Rayson, G. D. 2379
 Razak, A. A. 1193
 Realini, M. 1956
 Rech, S. 591
 Redburn, A. C. 583, 1161
 Reddy, C. A. 1822
 Reddy, G. 1354
 Reddy, K. S. 80
 Reddy, S. M. 1813
 Reddy, V. P. 176, 207
 Reding, C. L. C. 717
 Redlin, S. C. 739
 Redlinger, T. E. 2520
 Reed, G. H. 1209-1210, 1855-1856
 Reed, G. H., Jr. 1232
 Reed, I. M. 909, 2126
 Reed, R. 1198
 Receders, H. H. 1403
 Reenan-Hoekstra, E. S. van 1289
 Refaie, R. S. 158, 163
 Regan, K. 1299
 Regli, S. 1752
 Rehal, R. 381
 Reichart, O. 1281
 Reichert, A. 2565
 Reichmuth, C. 1271, 1973
 Reichmuth, J. 42
 Reid, J. M. C. 2125
 Reilly, P. J. 601
 Reilly, W. J. 24
 Reimann, J. 695, 1902
 Reineke, W. 2220
 Reinhard, M. 408, 2064, 2070, 2289
 Reinhart, D. R. 1699, 2117
 Reisnerová, H. 83
 Reizner, J. R. 1277
 Rejano, L. 2423
 Rejesus, B. Morallo- 289
 Rekhif, N. 836
 Rele, M. V. 2248
 Remondetto, G. 180
 Renener, M. 156
 Rentgerhem, B. van 293
 Reshetova, O. S. 946
 Resnick, S. M. 1646, 2273
 Restaino, L. 1831
 Reusch, H. 1900
 Reusch, R. N. 2511
 Reveal, L. G. 118
 Rhafiri, S. 746
 Rhee, D. 300
 Rhee, G. Y. 1651, 1655-1656
 Rheeder, J. P. 1897
 Rhode, K. 478
 Riba, J. P. 1359
 Ribári, L. 2042
 Ribas, F. 1866
 Rice, E. W. 1368, 1992, 2585
 Rich, D. 2121
 Richard, J. L. 55
 Richard, T. L. 1462, 1464
 Richards, B. K. 1587
 Richardson, C. M. 2119
 Richardson, I. R. 239
 Richardson, M. 447, 525, 2601
 Richardson, N. P. 1851
 Richter, H. 2317
 Richter, K. U. 2394
 Richter, M. 1581
 Richter, W. I. S. 89
 Ricker, N. L. 2210
 Ridell, J. 754
 Ridge, I. 2560
 Ridgway, C. 1394
 Riembel, I. 1180
 Rieser, R. 236
 Riganti, V. 32
 Rigby, M. G. 1549
 Rigola, M. 1063
 Riha, V. F. 1353
 Riha, W. E. 782
 Rijnaarts, H. H. M. 1557
 Rindi, S. 166
 Ringelberg, D. 1419
 Rinzenma, A. 1502
 Rio, B. 2563
 Rioux, D. 2563
 Rippen, T. E. 152
 Riskowski, G. L. 1961
 Ritchie, C. J. 1129
 Ritter, G. 1340
 Rittmann, B. E. 2223
 Riva, M. 755
 Rivard, C. J. 2189, 2489
 Rivas, T. 169
 River, L. 1624
 Rizzolo, A. 120
 Rob, O. 83
 Roberts, R. D. 2587
 Robbieati, F. 1984
 Robbins, J. A. 132
 Robbins, W. K. 1418
 Robens, J. F. 1194
 Robert, M. 378
 Roberto, F. F. 480
 Roberts, C. A. 1878
 Roberts, D. 680
 Roberts, P. V. 408
 Roberts, S. 963
 Roberts, S. J. 1055
 Robertson, L. A. 490, 1692
 Robertson, L. J. 1867, 2590
 Robeva, M. 915
 Robinson, C. H. 981
 Robinson, J. J. 1461
 Robinson, J. P. 2597
 Robinson, P. K. 2348
 Roblee, D. 1253
 Roccardi, A. 1956
 Rocchegiani, E. 761
 Rockhold, D. 1884
 Rodrigues, A. E. 416
 Rodrigues, P. C. C. 360
 Rodriguez, J. H. 113
 Rodriguez, J. M. 1802
 Rodriguez, M. G. 1258, 2136
 Rodriguez-Grau, J. 929
 Rodriguez-Jerez, J. J. 750
 Rose, B. H. 2594
 Roger, V. 418
 Rogers, J. A. 864
 Rogers, J. C. 1618
 Rogers, J. E. 2061
 Rogers, S. E. 1750
 Rohold, L. 303
- Roig-Sagües, A. X. 750
 Roisin, C. 464
 Rojas, F. 195
 Rojas, F. J. 174
 Rokade, S. M. 2408
 Rolland, M. 150
 Romaniec, M. P. M. 1795
 Romano, F. 1401
 Romanó, M. 2253
 Romanov, V. P. 2218
 Romanova, L. V. 831
 Romanova, Y. M. 2499
 Romanowski, G. 1140
 Romberg, E. 1347
 Rombouts, F. M. 670
 Ron, E. Z. 1619, 1682
 Rontani, J. F. 2307
 Roper, H. 2313
 Roquebert, M. F. 596
 Roques, D. E. 2267
 Rosa, M. F. 379
 Rosario, I. 2541
 Rosas, I. 2032
 Rosaspina, S. 804
 Roschke, M. 1761
 Rose, A. H. 2603
 Rose, J. B. 748
 Rosenbaum-Wilkinson, C. 2059
 Rosenberg, E. 574, 1011, 1604, 1619, 1682, 1746, 1840
 Rosenthal, H. 1842
 Ross, I. 740
 Ross, P. F. 55, 677
 Ross, T. 43
 Rossi, L. 1325
 Rossi, M. 446
 Rossignol, L. 789
 Rossmoore, H. W. 1353
 Roth, D. 2551
 Roth, S. E. 845
 Rothgeb, T. M. 2330
 Rotowa, N. A. 212
 Rotter, R. G. 1878
 Rottinghaus, G. E. 677
 Rouchaud, J. 464
 Rouger, J. 2445
 Roukas, T. 1551
 Rousseau, J. D. 433, 2176
 Roussos, S. 1042
 Roux, G. 508
 Roux, J. C. 1181
 Rovel, J. F. 2521
 Rovere, E. 39
 Rowbury, R. J. 834, 1851
 Rowe, B. 16, 680, 1213
 Rowe, M. 27
 Rowlands, C. L. 627, 838
 Roy, D. 2362
 Roy, M. K. 1562
 Roy, P. K. 209
 Roy, S. van 2339
 Royse, D. J. 1594
 Rozzi, A. 1510
 Rubin, B. 468
 Ruckenstein, E. 1040
 Ruddick, J. N. R. 230
 Rugge, C. D. 1035
 Rui, C. 1361
 Ruiter, G. A. de 1250
 Ruiz-Barba, J. L. 1806
 Ruiz Gonzalvo, F. 1211
 Rulkens, W. H. 1073
 Ruprich, J. 682
 Russell, A. D. 1376
 Russell, A. J. 2315
 Russell, J. B. 2498
 Russell, J. M. 369
 Russell, N. J. 2535
 Rust, M. 667
 Rusten, B. 2396
 Rüttimann, C. 1597
 Ruxton, G. D. 1124
 Ruzicka, M. 2411
 Ryabov, A. D. 2372
 Rydell, O. 1195
 Rydén, M. 492
 Rynne, F. 459
 Rytow, S. V. 1553
 Ryu, O. H. 965
 Sa-Correia, I. 379
 Saad, A. M. S. de 724, 2328
- Saber, S. M. 738
 Sabrah, R. E. A. 1177
 Sachdev, A. K. 116
 Saddler, J. M. 2245
 Sadowsky, M. J. 2208
 Saeger, V. W. 1411
 Saegusa, H. 2370
 Saether, T. 546
 Saez, J. 364
 Šafář, H. 516
 Safi, B. F. 1731
 Saftić, S. 2265
 Sağ, Y. 2337
 Sagdieuva, M. G. 1064
 Saguy, I. 1287
 Sahid, I. 1593
 Sahu, B. K. 104
 Sai Ram, M. 1780
 Saiki, H. 1757
 St. Aubin, F. 35
 Saisho, K. 775
 Saisree, L. 824
 Saito, T. 588, 2370
 Saito, Y. 775
 Sakaguchi, K. 2539
 Sakaguchi, M. 749
 Sakaguchi, T. 2340
 Sakai, K. 410
 Sakaji, R. H. 1549
 Sakamoto, S. 259
 Sakota, N. 396
 Sala, N. 74
 Salamitou, S. 428
 Salas, L. 1597
 Salek, A. 279
 Salihoglu, I. 856
 Salinas, J. 1305
 Sallal, A. K. J. 2526
 Salmerón, J. 59-60
 Salmon, P. 1148, 1556
 Salmon, R. L. 1213
 Saltabas, Ö. 2358
 Salvado, H. 2134
 Salvadori, O. 1845
 Salvaggio, L. 518
 Salvatorelli, G. 804
 Salzano, G. 837
 Samaha, I. A. 159, 173
 Sambandam, T. 412
 Sambasivam, Y. 442
 Sampò, S. 1341
 Sams, C. E. 739, 1290
 Samson, R. 1143
 Samson, R. A. 702, 1252, 1289, 1386, 1841
 Samuilov, V. D. 2190
 San, H. A. 2098
 Sanai, L. 17
 Sanchez, C. R. 1513
 Sanchez, E. 883
 Sanchez, J. M. 1221
 Sanchez Hernández, E. P. 2185
 Sanchez-Raya, A. J. 895
 Sanchez-Roig, M. J. 1039
 Sanchez-Vizcaino, J. M. 1211
 Sanchis, V. 74, 829
 Sanchis Almenar, V. 122
 Sand, W. 478
 Sanders, J. K. M. 2580
 Sanderson, K. E. 1381
 Sandey, H. 962
 Sandin, M. 582
 Sandino, J. 2034
 Sands, R. L. 1227
 Sandven, P. 2038
 Sangodoyin, A. Y. 2488
 Sanitz, W. 136
 Sanjeev, S. 1313
 Sanjeev Chaudhari 331
 Sanjeev Saxena 424
 Sanou, M. 985
 Sans, C. 1511, 2147
 Sanseverino, J. 1405, 2268
 Santamaría, R. 2564
 Santamarina, P. 74
 Santos, R. de F. A. dos 134
 Santos, V. A. 1087
 Sanz, B. 1802
 Saouter, E. 1681
 Saqqar, M. M. 1487-1488
 Saracchi, M. 706, 1908

- Sarada, R. 505, 1720
 Sarapatka, B. 955
 Saravadevi, S. 2589
 Sardi, P. 706, 1908
 Sarhan, M. M. 76
 Sarikaya, H. Z. 2094
 Sarkar, A. 439
 Sarkar, S. 1084
 Särner, E. 1704
 Sarr, B. A. 64
 Sarritzu, G. 2144
 Sartory, D. P. 34, 1868
 Sasahara, K. C. 840
 Sasaki, Y. 892
 Šašek, V. 316
 Sashidhar, R. B. 1901
 Sasanarakkit, S. 566
 Satchell, F. B. 1327
 Sato, S. 259
 Satoh, S. 1640
 Satoh, Y. 2306
 Satyanarayana, M. 1538
 Satyanarayana, V. 1354
 Satyawat Sharma 368
 Saucedo-Castañeda, G. 1042
 Saulnier, J. 592, 2520
 Saunders, J. R. 1153, 2528
 Saux, J. C. le 1920
 Savoy de Giori, G. 1774
 Sawada, J. 1457
 Sawada, T. 1640
 Saxena, S. 424
 Saxena, U. C. 80
 Sayadi, S. 1095
 Sayato, Y. 350
 Saye, D. J. 715
 Sayed, A. M. 163
 Sayed, S. K. I. 334
 Sayler, G. S. 1405, 1800, 2053,
 2268, 2541
 Sayles, G. D. 320
 Scarborough, J. N. 1527
 Schapman, J. E. 1446
 Schade, M. 2551
 Schaffer, M. 1865
 Schäffer, W. 2063
 Schaffner, D. W. 1219
 Schaller, C. 1503
 Scheer, H. 2406
 Scheibner, G. 1996
 Scheirlinck, T. 1125
 Schellinkhout, A. 1449
 Schenck, B. 866
 Schepers, H. J. 1045
 Scheu, S. 1001
 Schiavano, G. F. 518
 Schiller, K. 87
 Schillinger, U. 2553
 Schimel, J. P. 458, 1657
 Schink, B. 470, 2203, 2291,
 2367
 Schinner, F. 1328, 2552
 Schioppa, F. 1401
 Schippa, S. 629
 Schirra, M. 128
 Schlegel, H. G. 2292
 Schleifer, K. H. 636-638
 Schlieker, H. 2182
 Schliephake, K. 2432
 Schlochtermeier, A. 586
 Schmerler, J. 1761
 Schmid, H. 767
 Schmid, R. D. 2043
 Schmidel, W. 1513
 Schmidt, H. 135
 Schmidt, H. H. 2405
 Schmidt, J. E. 1438, 2102, 2284
 Schmidt, S. J. 743
 Schmidt, U. 1995
 Schmiedel, U. 2216
 Schmieder, A. 1653
 Schmitt, M. P. 2414
 Schmitz, U. 2407
 Schneider, E. 391
 Schneider, K. A. 2421
 Schnell, A. 527
 Schnell, S. 470
 Schnettler, R. 279
 Schnitzer, M. 2108-2110
 Schnizer, M. 2454
 Schnürer, J. 88, 481
 Schoberth, S. M. 619
 Schocken-Iturino, R. P. 1999
 Schoemaker, H. 1172
 Schoemaker, H. E. 2247
 Scholze, R. 2290
 Schots, A. 1305
 Schottler, U. 1751
 Schraa, G. 1557
 Schreier, H. J. 1142
 Schrempf, H. 586
 Schrey, H. J. 2407
 Schröder, J. 586
 Schügerl, K. 998
 Schulten, H. R. 2110
 Schultz, L. M. 677
 Schultz-Lam, S. 578
 Schulz, J. 904
 Schulz-Berendt, V. 1015
 Schulze, K. 1599
 Schurer, B. 1900
 Schurink, E. W. 2557
 Schüssler, H. 2096
 Schüttoff, M. 2274
 Schved, F. 1355
 Schwab, B. S. 1129
 Schwadorf, K. 1902
 Schwartz, Z. 1604
 Schwartzbrod, J. 1302
 Schwarz, G. E. 1407
 Schwarz, S. 2159
 Schwarze, F. 1947
 Schweiger, D. 2545
 Scorzetti, G. 1881
 Scott, D. S. 1611
 Scott, K. M. 338
 Scott, P. H. 1708
 Scott, P. M. 703
 Scott, T. C. 2462
 Scudamore, K. A. 704
 Scuderi, G. 8
 Seal, K. J. 1344
 Searle-Van Leeuwen, M. J. F.
 427
 Seasman, M. 2528
 Sebti, F. 714
 Seelenfreund, D. 1597
 Šefčík, J. 2296
 Segawa, T. 350
 Segstro, M. D. 1404
 Segui, D. 1280
 Séguin, F. A. 1743
 Seham, M. A. 163
 Seiboth, B. 602
 Seichert, L. 404
 Seidel, V. 87
 Seidler, R. J. 1051
 Seif, H. A. A. 520
 Seigle-Murandi, F. 1660
 Seignez, C. 304, 908
 Seiler, D. A. L. 1237, 1247,
 1272
 Seki, T. 1826
 Sekikawa, M. 1319
 Sekse, L. 733
 Selbach, P. A. 841
 Selgas, D. 154, 1934
 Selifonov, S. A. 1565
 Selim, M. H. 431
 Selina, M. S. 1371
 Sellwood, J. 827
 Selvaraj, P. T. 2433
 Semple, K. M. 1734
 Semplici, F. 2352
 Semprini, L. 2064, 2068, 2225
 Sen, G. P. 153
 Sen, M. 285
 Sen, S. P. 285
 Senior, E. 2153, 2164
 Senius, J. D. 1005
 Senoo, K. 1049
 Senouci, S. 1302
 Sequi, P. 2112
 Sergy, G. 1412
 Serit, M. 246
 Serra, J. L. 1092, 2455
 Serratos, J. A. 705
 Servais, P. 2452
 Sese, C. 1399
 Seth, R. 1591
 Sethi, J. K. 186
 Setti, L. 446, 1013
 Sevignani, C. 2495
 Sevillano, E. 1915
 Sevrin—Reyssac, J. 1500
 Sexstone, A. J. 2262
 Sexton, C. M. 2575
 Seydi, M. 1309
 Seyfried, C. F. 2406
 Sfakiotakis, E. M. 129
 Shabeb, M. S. A. 1630
 Shadix, L. C. 2585
 Shah, M. M. 1563, 1575
 Shahalam, A. B. M. 2139
 Shahamat, M. 263, 435, 1991
 Shakir, I. V. 373
 Shalabi, S. I. 203
 Sharma, G. 256
 Shamsi, R. H. 1251
 Shameuzzaman, K. 274
 Shankar, P. A. 647
 Shanta, S. 2100
 Shapiro, A. 1875
 Sharma, D. K. 23
 Sharma, M. C. 1729
 Sharma, N. 440
 Sharma, N. K. 763
 Sharma, P. 2456
 Sharma, S. 368
 Sharma, V. D. 1212
 Sharp, J. C. M. 24
 Sharp, R. J. 2530
 Shawah, Y. 853
 Sheam, M. A. 158
 Shehata, A. E. 375
 Shelef, G. 2124, 2454
 Shelton, B. G. 1346
 Shen, B. 1654
 Shen, B. Q. 1833
 Shen, H. 1687
 Shen, J. 491, 1420
 Sherikar, A. T. 1931
 Sherman, K. M. 931
 Sherrod, P. S. 1327
 Shiari, M. P. 1638
 Shibuya, S. 1769
 Shieh, W. K. 2302
 Shigaeva, M. Kh. 787
 Shigeno, H. 2327
 Shilova, S. Y. 946
 Shilpa Vij 511
 Shimamura, K. 2192
 Shimizu, S. 1162
 Shimizu, T. 356
 Shimokobe, H. 1672
 Shimp, G., Sr. 2034
 Shimp, J. F. 311
 Shimp, R. J. 2330
 Shin, C. S. 965
 Shin, H. S. 337, 1518
 Shinagawa, K. 20
 Shinbo, T. 1174
 Shindoh, T. 814
 Shinmen, Y. 1162
 Shinoda, S. 658
 Shiraliipour, A. 558
 Shironosova, L. A. 1796
 Shishida, K. 318
 Shively, J. M. 485
 Shoda, M. 1144, 2493
 Shoham, Y. 1604, 1746
 Shonnard, D. R. 859
 Shoreit, A. A. M. 1617, 1630
 Short, K. A. 1051
 Shrihari 1158
 Shtrarkman, N. B. 968
 Shub, G. M. 1060
 Shukla, N. 1778
 Shulepov, M. 552
 Shul'gina, A. P. 94
 Shur'mway, S. E. 288
 Shurukhin, Y. V. 1662
 Shute, E. A. 477
 Si-Salah, A. 882
 Sicius, H. 2222
 Sick, M. R. 1058
 Sicurani, M. A. 2116
 Siddiqi, R. H. 1520
 Sidhu, H. S. 1748
 Siebert, K. J. 25
 Siebris, F. K. 533
 Sieger, R. B. 1086, 2039
 Sievers, D. M. 913
 Sige, D. C. 140
 Sigurgisládóttir, S. 1799
 Sihorwala, T. A. 1112
 Šiler-Marinković, S. 1545
 Sili, C. 2515
 Silim Nahdy, M. 1270
 Silva, A. 589
 Silva, J. L. 1307
 Silva, P. 1765
 Silva, S. A. 614, 1493
 Silva-Negrón, L. 1295
 Silvin, C. J. 1649
 Simakov, M. V. 1150
 Simard, R. E. 5, 2586
 Simmen, A. 767
 Simon, A. 2365
 Simonaitis, R. A. 85
 Simonetta, A. C. 1203
 Simoni, J. de A. 1571
 Simpson, W. J. 111, 1912
 Sims, J. J. 1297
 Singer, P. C. 1980
 Singh, A. 437, 1582, 1607
 Singh, A. L. 1792
 Singh, D. 1555
 Singh, H. D. 1562
 Singh, H. P. 927
 Singh, K. K. 2100
 Singh, L. 1780, 2494
 Singh, M. 1558, 2122
 Singh, R. 697, 927, 1733, 2151
 Singh, R. K. 1141
 Singh, R. N. 413
 Singh, S. P. 709, 1141, 1792
 Singh, V. B. 1212
 Sinha, N. B. 2254
 Sinha, S. 2072
 Sinigaglia, M. 1215, 1970
 Sinitsyn, A. 988
 Sinner, M. 595
 Siron, R. 1008
 Sirotková, L. 399, 469
 Sisk, W. E. 313
 Siso, M. I. G. 2160
 Sisson, P. R. 239
 Sisti, M. 518
 Siunova, T. V. 2347
 Six, W. 1456
 Skerker, P. 1598
 Skjelhaugen, O. J. 546-547
 Skladany, G. J. 2036
 Skladnev, D. A. 945-946
 Skłodowska, A. 615
 Skog, S. 527
 Skogstad, A. 2038
 Skorokhod, V. I. 494
 Škrinjar, M. 75
 Skugarova, M. G. 1965
 Skulberg, O. M. 2013
 Slack, R. C. B. 1206
 Slade, A. 1440
 Slama, S. 1910
 Slavik, M. F. 1360
 Sláviková, E. 1989
 Slawson, R. M. 1783
 Slepén'kin, A. V. 1565
 Slivka, D. C. 1465
 Slobodkin, A. I. 1579, 2281
 Slootweg, R. 286
 Sly, L. I. 590-591
 Smalla, K. 835
 Smilnick, J. L. 734
 Smirnova, I. R. 1427
 Smit, J. 1188
 Smith, A. E. 341
 Smith, B. M. 2342
 Smith, D. W. 1482
 Smith, H. R. 680
 Smith, H. V. 1867, 2590
 Smith, J. 198
 Smith, J. E. 2164
 Smith, J. L. 1314, 1321
 Smith, J. R. 1560
 Smith, K. C. 1809
 Smith, L. C. 920
 Smith, L. G. 2496
 Smith, M. C. 237
 Smith, M. R. 2279
 Smith, P. G. 1867
 Smith, R. W. 536
 Smith, S. 1148

- Smolders, G. J. F. 2413
 Smoot, L. 1323
 Smulders, F. J. M. 1925
 Snape, J. R. 2217
 Sneath, J. W. 2482
 Sneath, P. H. A. 276
 Sneath, R. W. 2484
 Snijders, J. M. A. 1925
 Snozzi, M. 994
 Snyder, O. P., Jr. 809
 So, K. H. 462
 Soares de Oliveira, S. 268
 Sobolewski, A. 1484
 Sobrejuanite, E. E. 1590
 Sobrino, O. J. 1802
 Sobsey, M. D. 748
 Sockett, P. 14
 Sode, J. 2340
 Sode, K. 1967
 Søeberg, H. 2130-2131, 2393
 Sofer, M. 1614
 Sofer, S. S. 1027, 1558
 Sokol, R. C. 1651, 1655-1656
 Sokolov, V. N. 940
 Solano, M. L. 950
 Soldi, T. 32
 Solin, T. 1111
 Soliva, M. 2114
 Solomonraj, G. 400
 Somers, E. B. 235
 Somlyody, L. 1714
 Sommer, H. 1839
 Sommers, L. E. 563-564
 Sonawat, H. M. 1578
 Sondossi, M. 1353, 1625
 Sonesson, A. 1998
 Sons, T. 1253
 Soponronnarit, S. 811
 Sorensen, J. 2388
 Sorensen, P. B. 2095
 Sorkhoh, N. A. 1577
 Sorlini, C. 1954, 2420
 Sorokin, D. Yu. 1077-1078, 1695, 2373
 Störqvist, S. 839
 Sorrentino, E. 837
 Söstrand, P. 2038
 Soto, M. 1473
 Souza, L. C. de 31
 Souza, M. E. 1512
 Spada, G. L. 120
 Spagna, G. 1013
 Spain, J. C. 2285
 Špánik, J. 205
 Spanjers, H. 2140
 Sperling, M. von 1481
 Speck, E. 257
 Spiegel, Y. 590
 Spiteller, M. 1653
 Splittstoesser, D. F. 1387
 Spoel, H. van der 334
 Spooner, A. 2540
 Spotti, E. 1285
 Spotts, R. A. 126
 Springle, W. R. 1345
 Srđ, O. 2030
 Sreekrishnan, T. R. 472-473
 Sreemany, M. 2246
 Srīdhār, K. 2435
 Srimannarayana, G. 1354
 Srinivasan, K. 80
 Srinivasan, M. C. 2248
 Srivastav, R. K. 2359
 Srivastava, A. K. 1110
 Srivastava, S. C. 1792
 Srivastava, S. K. 1110
 Srzednicki, G. 811
 Stacchini, A. 694
 Stackebrandt, E. 590-591
 Stadlbauer, E. A. 1517
 Stal, L. J. 2514
 Stamford, N. P. 2167
 Stamford, T. L. M. 2167
 Stams, A. J. M. 917, 1805
 Stancheva, N. 200
 Starodub, M. E. 576
 Starovoitov, I. I. 1565, 2218
 Statton, K. M. 1851
 Stauffer, T. B. 1014
 Stefanelli, C. 57-58
 Stefanon, B. 1542
 Štefuca, V. 1824
 Stegmann, R. 925
 Steinam, R. 1660
 Stein, W. 1393
 Steinbüchel, A. 2517
 Steiner, W. 595, 1817, 2566
 Steinhauserová, I. 1326
 Steinmeyer, S. 196
 Stensel, H. D. 961
 Stenstrom, M. K. 1475
 Stenström, T. A. 625
 Stentiford, E. I. 1461
 Stephen, J. 1313
 Stephens, P. J. 270
 Stephenson, R. J. 1744
 Stephenson, T. 1434
 Stern, N. J. 182
 Stetar, E. A. 1066
 Stevens, C. J. 2460
 Stewart, A. J. 1417
 Stewart, G. C. 1081
 Stewart, G. S. A. B. 7, 1229
 Stewart, P. S. 593, 1616
 Stewart-Tull, D. E. S. 640
 Steynerberg, M. C. 1713
 Stocks, D. 2490
 Stoltz, A. 2270
 Stoltz, E. 1858
 Stom, D. I. 2174
 Stonor, D. L. 2472
 Stott, R. F. 747
 Straalen, N. M. von 611
 Strachan, N. J. C. 676
 Strange, R. N. 1263
 Straskraba, V. 2200
 Strasser da Saad, A. M. 724, 2328
 Stratton, G. W. 1037
 Straub, T. M. 651
 Stredanský, M. 1044
 Strehaino, P. 1359
 Strotmann, U. J. 2221
 Strydom, J. P. 2424
 Strzałkowski, L. 1903
 Studer, M. 1814
 Stukenberg, J. R. 2034
 Štúrdík, E. 1044
 Štúrdíková, M. 1056
 Stutz, H. 1485
 Su, Y. C. 681
 Suarez, C. 1350
 Suárez, J. A. 1911
 Suárez-Varela, M. M. M. 529
 Subbotina, Y. M. 1427
 Subekti, D. 1994
 Subir Barnic 2172
 Sublette, K. L. 2433
 Subramaniam, B. 1421
 Subramanian, G. 1099, 1694
 Subramanian, R. 2295
 Succu, G. 2144
 Sudar, A. 889
 Sudo, R. 322, 1715
 Sukci, M. 1544
 Suflija, J. M. 1536, 2054
 Sugai, S. F. 458
 Sugimoto, Y. 1769
 Sugio, N. 347
 Sugio, T. 1083
 Sugita, H. 2161
 Sugita, T. 254
 Sugitani, T. 1787
 Sugiyama, N. 588
 Suhe, Y. 661
 Suhren, G. 42
 Suidan, M. T. 320, 1648
 Sujan Singh 1946
 Sujbert, L. 2042
 Suki, A. 1779
 Sukla, L. B. 2459
 Sulo, P. 110, 1989
 Sulzer, G. 204
 Sumathi, M. 1694
 Sun, B. 2087
 Sundberg, M. 996
 Sundquist, J. 1738
 Sunita Grover 190
 Suomi, D. A. 218
 Surampalli, R. Y. 367, 1680
 Suriani, F. 1891
 Sushama Borgaonkar 953-954
 Susmel, P. 1542
 Süss, A. 93
 Sussman, M. 640
 Sutherland, I. W. 1071
 Šutić, M. 211
 Sutter, H. P. 1020
 Sutton, P. M. 1736, 1758
 Suwa, Y. 2554
 Suwandhi, I. S. 836
 Suyama, K. 1838
 Suzuki, A. 995
 Suzuki, E. 2219
 Suzuki, H. 580, 1083
 Suzuki, J. 1775
 Suzuki, M. 284, 1396, 1710
 Suzuki, S. 1775
 Suzuki, T. 2378, 2543, 2554
 Svec, J. 2099
 Svensson, G. 222, 224
 Swain, A. 1559
 Swaisgood, H. E. 2439
 Swaminathan, T. 1675
 Swamy, B. K. N. 1118
 Swanson, R. L. 453
 Swart, M. 1631
 Swift, W. 2371
 Swings, J. 2368
 Swinwood, J. F. 1975
 Switzenbaum, M. S. 1453
 Syed, Q. U. 1213
 Sylvestre, M. 312, 456, 1535, 1625
 Sylvestre, S. 1500
 Synnott, M. 1214
 Szakmár, K. 1281
 Szarka, L. J. 568
 Szewczyk, E. M. 2513
 Tabak, H. H. 1441
 Tabka, H. 304
 Tabloka, W. 607
 Tadokoro, H. 2293
 Tagawa, S. 2209
 Taghavi, S. 2339
 Tagi, A. 1987
 Tai, C. H. 2336
 Taidi, B. 2509
 Tailliez, R. 745
 Taj-Aldeen, S. J. 1816
 Takagi, M. 1057, 2201, 2539
 Takahashi, D. F. 2183
 Takahashi, N. 2306
 Takahashi, T. 1710
 Takahata, H. 1762
 Takami, H. 1157
 Takamura, N. 2016
 Takano, H. 2567-2568
 Takeda, M. 628, 877-878
 Takeuchi, T. 259
 Takizawa, N. 1639-1640
 Tal, A. 468
 Talarczyk, M. R. 1428
 Talebi, K. 1669
 Talwar, G. P. 631
 Tamanai-Shacoori, Z. 2581
 Tamashiro, M. 231
 Tamplin, M. L. 2001
 Tan, E. 1417
 Tan, H. 1759
 Tanabe, H. 1402
 Tanabe, T. 1457
 Tanado, K. 52
 Tanaka, A. 1635
 Tanaka, H. 445, 461, 989, 1083, 1727, 1770
 Tanaka, N. 1202
 Tanaka, T. 1497, 2327
 Tanaka, Y. 1447
 Tandoi, V. 2352, 2545
 Tanenbaum, S. W. 1649
 Tang, I. C. 512
 Tang, T. 555
 Tangen, T. 1998
 Taniguchi, Y. 1288
 Tanno, H. 1134
 Tano, T. 1083
 Tantaoui-Elaraki, A. 714
 Tantirungkij, M. 1826
 Tapiador, J. 1211
 Tappi Journal 1108
 Tarre, S. 2454
 Tarwate, B. G. 1931
 Tashrio, T. 2554
 Tassou, S. C. 1351
 Tatarko, M. 2207
 Tatini, S. R. 190
 Tatsumi, K. 457
 Taube, R. 1619
 Tawfik, N. F. 206
 Taylhardat, L. 1765
 Taylor, B. F. 570, 2226
 Taylor, D. E. 10
 Taylor, K. D. A. 1275
 Taylor, M. A. 506
 Taylor, R. T. 859
 Techniques Sciences Methodes 29
 Tedaldi, D. J. 864, 1616
 Teichfischer, T. 2406
 Teiner, A. 2360
 Teixeira de Araujo, M. M. 1113
 Telgmann, U. 2392
 Telles, D. L. 1909
 Ten Brummeler, E. 1016, 1514
 Ten Have, P. J. W. 545, 2483
 Tereshina, A. N. 1427
 Terry, C. T. 1964
 Terzić-Vidojević, A. 1335
 Teske, R. H. 1194
 Testoni, A. 123
 Teuber, M. 640
 Tewari, H. K. 926
 Tezuka, Y. 1400
 Thalasso, F. 986
 Thaller, M. C. 629
 Thanassoulopoulos, C. C. 129
 Thapa, R. S. 219
 Theunissen, H. J. H. 1858
 Thia, B. 523
 Thien, M. 1148
 Thimon, L. 248
 Thirlwell, J. 680
 Thitai, W. N. 1494
 Thomas, A. 549
 Thomas, A. O. 307, 1026
 Thomas, B. H. 400
 Thomas, C. 2027
 Thomas, D. S. 1913
 Thomas, J. 2381
 Thomas, J. M. 2057, 2064
 Thomas, V. 2491
 Thompson, A. K. 1296
 Thompson, D. E. 1988, 1999
 Thompson, J. B. 578
 Thompson, J. E. 1623
 Thomsen, J. K. 2522
 Thomson, A. J. 493
 Thomson, J. A. 579
 Thorn, R. G. 1945
 Thorberg, D. E. 2388
 Thorp, J. H., Jr. 1392
 Thorton, L. 1213
 Threlfall, E. J. 1214
 Thut, R. N. 2442
 Thyagaraja, N. 730
 Tian, S. 2129
 Tichý, R. 1073
 Tideman, J. 1921
 Tiedje, J. M. 976, 1033, 1632, 1657
 Tien, M. 597, 603, 1171, 1821
 Tietze, E. 835
 Tikhonov, V. E. 594
 Tilche, A. 1430, 1701, 2485
 Timm, A. 2517
 Timmer, G. 2317
 Timmis, K. N. 2062
 Timo Laria, S. 31
 Tindall, B. J. 2532
 Tirelli, A. 1568
 Tjanadi, P. 1994
 Tobin, J. M. 1181
 Tobita, S. 1038
 Tochikubo, K. 1893
 Todorović, M. 1367
 Toft, L. 1832
 Togashi, I. 252
 Togna, A. P. 2122
 Tohamy, E. Y. 82
 Tokatidis, K. 428
 Toki, H. 445
 Tokoro, M. 217
 Tolley, A. T. 2111

- Toman, J., Jr. 1268-1269
 Tomati, U. 1000
 Tomei, M. C. 1089
 Tomita, B. I. 277
 Tomita, S. 1798
 Tonnini, D. 1236
 Tonolla, M. 846
 Tonooka, Y. 628
 Toom, D. 1404
 Toom, N. A. L. den 1858
 Toora, S. 198
 Tooya, R. 217
 Topalova, Y. 1644-1645
 Torensema, R. 1888
 Torigoe, S. 1639-1640
 Tormay, P. 585
 Török, T. 727, 1244, 1884
 Torres, E. C. 96
 Torres, J. A. 144
 Torres, L. G. 575, 2524
 Torres, M. 74
 Torriani, S. 774, 1834
 Tortorello, M. L. 673
 Torzilli, A. P. 1410, 1756
 Torzillo, G. 565
 Tosh, J. E. 2164
 Toso, C. 1374
 Toth, F. 951
 Toth-Allen, J. 1410
 Tothill, I. E. 1344
 Toyazaki, N. 278
 Toyoda, M. 775
 Tracy, J. C. 311
 Tramper, J. 1087
 Tranter, H. S. 1351
 Traunspurger, W. 2080
 Travieso, L. 883
 Tremblay, B. 1743
 Trescher, J. S. 2414
 Trevors, J. T. 576, 653, 1783,
 2331
 Triantafyllou, A. Ö. 608
 Triassi, M. 1401
 Tripathi, R. D. 2072
 Tritt, W. P. 2159, 2478
 Trojanowicz, M. 1833
 Tronsmo, A. 617
 Tros, M. E. 1557
 Trösch, W. 1045
 Trotsenko, Yu. A. 1146, 2280
 Trovatelli, L. D. 1236
 Troy, M. A. 2047
 Truijen, G. J. P. 334
 Trujillo, D. 2191
 Trukhacheva, T. V. 820
 Truong-Meyer, X. M. 1359
 Trüper, H. G. 636-638
 Tsai, G. J. 1890
 Tsai, S. P. 2421
 Tsang, R. S. W. 1829
 Tsao, J. H. 1552
 Tschäpe, H. 835
 Tschech, A. 1020
 Tschursin, E. 48
 Tseng, T. C. 692
 Tsitko, I. V. 1636
 Tsoi, T. V. 1152
 Tsongis, S. P. 1098
 Tsuboughi, H. 278
 Tsuchiya, S. 964
 Tsujibo, H. 1134
 Tsuneda, A. 1945
 Tsuruta, O. 708
 Tsuyuki, K. 1787
 Tsygankov, A. A. 2390
 Tsygankov, Y. D. 946
 Tu, C. M. 1048, 1054
 Tucker, M. 948
 Tudor, E. A. 1876
 Tufi, D. 728
 Tugnoli, G. 1914
 Tumanskii, I. M. 376
 Tunçel, G. 2571
 Tunlid, A. 1188
 Tunnell, L. G. 1699
 Tuovinen, O. H. 479, 487, 1668
 Turányik, B. 949
 Turco, R. F. 1664
 Turick, C. E. 2194
 Turkovskaya, O. V. 1060
 Turner, G. 1716
- Turner, R. 1681
 Turner-Jones, C. 1321, 1379
 Turpin, P. E. 627, 838
 Turtura, G. C. 666, 726, 1985
 Tveitnes, S. 635
 Tyagi, R. D. 472-473, 1068,
 1070, 1072, 2343, 2354, 2364
 Tyler, E. J. 930
 Tyndall, R. L. 1417
 Tyson, K. L. 577
 Ubben, E. H. 187, 192
 Uberoi, V. 977
 Uchibori, T. 823
 Uchida, K. 630, 1769, 1798
 Uchida, S. 884, 2318
 Uchida, Y. 1950
 Uchino, H. 103
 Uchiyama, S. 1950
 Ucuncu, A. 348
 Udagawa, S. 1950
 Udagawa, S. I. 278
 Udaka, S. 1893
 Udupa, S. R. 1569
 Ueda, M. 1635, 2507
 Ueno, H. 350
 Ueno, Y. 771
 Uesugi, K. 2141
 Ugoji, C. 2488
 UK, British Egg Industry Coun-
 cil 553
 UK, Institution of Chemical
 Engineers 1196
 UK, The Institution of Water
 and Environmental Manage-
 ment 2605
 Ukhanov, V. Yu. 556
 Ulloa, M. 2032
 Ulumatam, S. S. 363
 Uluğ, S. E. 343, 348
 Umetsu, K. 1762
 Underhill, S. E. 398, 1435
 Upadhyay, S. N. 439
 Upton, J. 1434, 2143
 Urakami, Y. 802
 Urban, A. 135
 Urban, W. 2444
 Urbanová, E. 202
 Uriarte, J. 950
 Url, B. 41
 Urlings, H. A. P. 177
 Urulings, L. G. C. M. 1018
 Urrestarazu, V. 175
 Urushigawa, Y. 2199, 2554
 USA, American Society for
 Testing and Materials 646,
 1850
 USA, Committee on Wastewater
 Management for Coastal
 Urban Areas, Water Science
 and Technology Board, Com-
 mission on Engineering and
 Technical Systems, National
 Research Council 2600
 USA; Alabama Cooperative
 Extension Service 1468
 Usall, J. 829
 Ushiyama, H. 52
 Uslu, O. 856
 Usmani, T. H. 530
 Utsumi, Y. 255
 Vachon, P. 1068
 Vaidya, J. G. 282
 Vaidya, S. V. 80
 Valdrighi, M. M. 2116
 Valentini, F. H. H. 1106
 Valentini, H. 2517
 Valentini, N. 1363
 Valentini, P. 2011
 Valeva, A. 1256
 Valiente, M. F. C. 1643
 Valikhova, O. I. 2319
 Valkanas, G. 1127
 Valkengoed, B. H. van 671
 Vallés, S. 598
 Valletreiso, M. 58
 Vallini, G. 2116
 Vallverdu, N. 829
 Valmaseda, M. 1586
 Van Andel, J. G. 333
 Van Beelen, P. 2205
 Van Buuren, J. C. L. 332
 Van de Palen, C. J. N. M. 1925
 Van de Werf, H. 1017, 1528
 Van de Weyer, A. 785
 Van den Eade, G. 640
 Van den Heuvel, H. 1631
 Van den Heuvel, J. C. 2548
 Van den Oever, A. H. C. 2275
 Van den Wijngaard, A. J. 1422
 Van der Drift, C. 2366
 Van der Last, A. R. M. 332,
 1450
 Van der Lugt, A. W. 1250
 Van der Meer, J. R. 1557
 Van der Merwe, M. 1728, 2156
 Van der Pas, A. 1458
 Van der Spoel, H. 334
 Van der Veen, P. 415
 Van Doorn, H. 1343
 Van Dort, H. M. 1650
 Van Dyke, M. I. 2331
 Van Ede, C. J. 406
 Van Elsas, J. D. 640, 835
 Van Gils, W. M. A. 1458
 Van Groenestijn, J. W. 1429
 Van Impe, J. F. 1316
 Van Knippenberg, K. 332, 1502
 Van Laack, R. L. J. M. 1925
 Van Lier, J. B. 917
 Van Logtestijn, J. G. 177
 Van Loosdrecht, M. C. M. 2086
 Van Meenen, P. 1017, 1528
 Van Montagu, M. 640
 Van Mullem, D. K. 1192
 Van Niel, E. W. J. 490
 Van Reenan-Hoekstra, E. S.
 1289
 Van Renterghem, B. 293
 Van Roy, S. 2339
 Van Straalen, N. M. 611
 Van Valkengoed, B. H. 671
 Van Veen, H. W. 1147
 Van Vlaardingen, P. L. A. 2205
 Van Vree, H. B. R. J. 1018,
 1414
 Van Wambeke, M. 1506
 Van Wensem, J. 611
 Van Wyk, C. B. 1394
 Vandenbergh, P. A. 1971
 Vandelenagenbergh, V. 1506
 Vanderhaegen, B. 1506
 Vanderlinde, P. B. 160
 Vanderzant, C. 753
 Vandewalle, J. 1316
 Vanék, Z. 1164
 Varabioff, Y. 22
 Varencova, V. I. 2380
 Vares, T. 600
 Varfolomeyev, S. 988
 Varga, G. A. 1594
 Varlamov, V. P. 594
 Varma, A. 438
 Varsano, R. 468
 Vartiainen, T. 1691
 Vasconcelos, V. M. 1872
 Vasil'ev, V. B. 905
 Vasil'eva, L. V. 2280
 Vasiliev, V. B. 1553
 Vasilyeva, L. V. 1145
 Vásquez, C. 275
 Vassileva, S. 915
 Vasudevan, N. 983
 Vasudevan, P. 997, 2359
 Vat, M. P. van der 849
 Vavilin, V. A. 905, 1553
 Vayen, D. V. 2123
 Vazhinskaya, I. S. 1636
 Vazquez-Duhalt, R. 1734
 Véber, K. 359
 Vecchio, A. 706, 1908
 Vedenina, I. Ya. 1078
 Veen, H. W. van 1147
 Veen, P. van der 415
 Veeramani, H. 1675
 Vega, J. L. 1546
 Vela Roca, E. 122
 Velammal, A. 1383
 Velázquez, L. del C. 729
 Veld, P. H. in't 1
 Velimirov, B. 2365
 Venables, W. A. 1559
 Venetskaya, S. L. 887
- Venkataraman, N. 1508
 Venkataramu, C. R. 1167
 Venkateshwarlu, N. 1813
 Venkateswaran, K. 445
 Ventullo, R. M. 2330
 Venugopal, V. 672
 Venugopalan, V. K. 1383
 Verachtert, H. 429, 2003
 Verdú, J. E. A. 1862
 Verhoeft, H. A. 611
 Verhoef, J. 1888
 Veríssimo, A. 2014
 Verlinden, B. 1316
 Verma, A. 2456
 Verma, A. K. 244
 Verma, B. L. 413
 Verma, N. 381
 Verma, S. S. 116
 Vermeulen, P. 175
 Verner, M. C. 1781
 Verstraete, W. 293, 1017, 1506,
 1528, 2101
 Vesilind, P. A. 2595
 Vestjens, T. 2104
 Vestweber, J. G. 273
 Vetter, J. 1818
 Vicente, E. 1185
 Victor, R. 290
 Vicuña, R. 1597
 Vieira, S. M. M. 1448
 Vierkötter, S. 136
 Viëtor, R. J. 1820
 Vignolo, G. M. 1891
 Viikari, L. 436, 1738, 2446-
 2447
 Vij, S. 511
 Vijayasekar, S. 503
 Vilà, R. 1352
 Viljoen, B. C. 1273, 1907
 Viljoen, F. C. 1713
 Villa, C. 37, 1927
 Villa, M. 2420
 Villa, P. 1104
 Villalba, D. 2114
 Villani, F. 837
 Villanueva, J. R. 2564
 Villari, P. 1401
 Villaverde Fernández, M. J. 621
 Villiers, H. A. de 2084, 2091
 Vilppunen, P. 1111
 Vinarov, A. 502
 Vinarov, A. Yu. 1539
 Viñas, I. 74, 829
 Viñas Almenar, I. 122
 Vincenzi, S. de 1529
 Vincenzi, M. 2515
 Vining, L. C. 1809
 Vinod Tare 331
 Viraghavan, T. 1423
 Visottiviviseth, P. 2320
 Visscher, P. T. 570
 Visser, A. 886, 918, 1452
 Visser, J. 415
 Visser, M. J. C. 1888
 Vito, E. de 728
 Vizcarra, A. T. 2486
 Vlaardingen, P. L. A. 2205
 Vlahov, R. 1959
 Vleggaar, R. 1897
 Vlissidis, A. 2155
 Vogel, R. F. 1794, 1929
 Vogel, T. M. 2064, 2071
 Vogeli, T. M. 1652
 Vogelpohl, A. 882
 Vogler, B. 1036
 Vogt, D. R. 2117
 Volc, J. 247
 Volková, O. 316
 Volpe, C. 944
 Volterra, L. 626
 Von Holy, A. 766, 1320, 1997
 Von Sperling, M. 1481
 Voorhorst, W. G. B. 2279
 Vora, F. 923
 Voragen, A. G. J. 427, 979,
 1820
 Vorlop, K. D. 1043
 Vorob'ev, S. I. 1796
 Vorster, S. M. 170
 Vos, W. M. de 1844
 Voss, K. A. 686

- Votrubá, J. 915
 Vrba, J. 2412
 Vree, H. B. R. J. van 1018,
 1414
 Vučjak-Novaković, G. 1545
 Vyšnálek, V. 2200, 2412
 Waara, T. 2400
 Waard, P. de 2309
 Wabeck, C. J. 1323
 Wable, M. V. 1698
 Wacher, C. 1906
 Wachtler, I. 949
 Wackernagel, W. 1140
 Wackett, L. P. 2208
 Wada, H. 1049
 Wada, S. 457
 Waechter-Bruna, D. 1149
 Wafar, M. 2386
 Wagenseller, G. A. 1408
 Wagh, A. B. 220
 Wagh, E. E. 1828
 Wagner, F. 449
 Wahí, M. 953
 Waiamai, P. 566
 Waiblinger, H. U. 1900
 Wainwright, M. 258
 Waite, T. D. 1975
 Wakabayashi, K. 2550
 Wakabayashi, M. 1184
 Waldman, M. 853
 Waldroup, A. L. 1323
 Walker, A. 1055
 Walker, B. 1946
 Walker, C. H. 1669
 Walker, J. E. 1693
 Walker, J. T. 1360
 Walker, L. P. 1585, 1589
 Walker, M. D. 111
 Wall, A. J. 1037
 Wallach, J. 592
 Wallis, F. M. 355, 854
 Wallnöfer, P. 281
 Walls, I. 1936
 Walsh, R. S. 1061
 Walter, B. 609
 Walter, S. 586
 Walton, N. R. G. 28
 Wang, B. 2142
 Wang, P. 1759
 Wang, W. K. 2506
 Wang, X. 923, 1040
 Wang, X. Z. 571
 Wang, Y. T. 1687
 Wangness, D. J. 2492
 Wanner, J. 1091
 Warburton, D. W. 1222
 Ward, A. C. 2556
 Ward, B. 484, 534
 Ward, B. B. 2391
 Ward, C. H. 2057, 2064
 Ward, T. E. 2330
 Warshall, P. J. 2569
 Washington, J. R. 2345
 Waskovsky, J. 477
 Watabe, K. 2219
 Watanabe, I. 434
 Watanabe, M. 818, 1396
 Watanabe, M. F. 1396
 Watanabe, M. M. 2016
 Waterhouse, K. V. 1559
 Watkinson, R. 1415
 Watkinson, R. J. 1628
 Watson, R. S. 1086
 Watson-Craik, J. A. 2164
 Watts, H. J. 2584
 Watts, R. J. 1716
 Wawrzkiewicz, K. 1812
 Weber, H. 1045
 Weber, R. 136
 Weber, W. 393
 Weber, W. J., Jr. 2076, 2286
 Weberruss, U. 2221
 Weckesser, J. 2013
 Wedi, D. 2406
 Weerkamp, A. H. 1334
 Wehrheim, B. 1678-1679
 Weidenbörner, M. 1306, 1904
 Weier, K. L. 860
 Weightman, R. L. 1560
 Weiland, P. 883
 Weins, C. 663
 Weiser, M. 1036
 Weisgerber, C. 1239
 Weitzman, M. D. 640
 Wekell, M. M. 747
 Welander, T. 1697, 1747
 Welbourn, P. M. 1404
 Welch, S. J. 1055
 Weller, A. N. 1794
 Weller, U. 1256
 Welling, A. 539, 1516
 Wellington, E. M. H. 272, 627,
 838
 Wells, J. M. 118
 Weltzien, H. C. 1306
 Wen, X. H. 2146
 Wen, Y. B. 2463
 Wendakoon, C. N. 749
 Wendl, P. A. 1745
 Wendorff, W. L. 782
 Wensem, J. van 611
 Wentzel, M. C. 1501, 1725-
 1726
 Wenzel, H. 136
 Weppen, P. 1069
 Werf, H. van de 1017, 1528
 Werner, C. 1405
 Werner, P. 2216
 Westfall, D. G. 563-564
 Westlake, D. W. S. 857, 1734
 Wettern, M. 1678-1679
 Wetzel, S. 192
 Wever, R. 1172
 Weyer, A. van de 785
 Whelpdale, D. M. 1404
 White, C. 2356
 White, D. C. 807, 1188, 1419,
 2578
 White, D. G. 1268-1269
 White, G. F. 2217
 White, R. K. 551
 White, R. L. 1809
 White, T. D. 1307
 White, T. E. 398
 Whitehead, J. H. 2599
 Whiting, R. C. 261
 Whitmyer, R. W. 1088
 Widdel, F. 233, 470
 Widén, P. 2115
 Wieder, R. K. 1499
 Wiedmann, M. 2591
 Wiegand, B. 851
 Wiegant, W. 332
 Wienbeck, H. 463
 Wiese, A. 1554
 Wijesekara, T. 1598
 Wijffels, R. H. 1087
 Wijngaard, A. J. van den 1422
 Wilairat, P. 2320
 Wilcox, M. H. 51
 Wild, D. K. 1368
 Wild, F. 2414
 Wilde, E. W. 474
 Wilke, B. M. 867
 Wilkinson, J. B. 1418
 Wilkinson, K. J. 1068
 Wilkinson, S. 768
 Wilkinson, S. C. 2348
 Wille, B. 2407
 Willers, H. C. 545
 Willetts, A. 962-963
 Williams, A. C. 1321
 Williams, D. R. 2509
 Williams, E. 2556
 Williams, G. C. 768
 Williams, H. N. 1347
 Williams, N. D. 1376
 Williams, P. 1229
 Williams, R. T. 313
 Williams, T. H. 1527
 Williams, T. O. 345
 Williams, W. A. 1647, 2298
 Williamson, D. M. 19
 Willshaw, G. A. 680
 Wilson, C. L. 127, 130, 712
 Wilson, D. B. 1585, 1589
 Wilson, D. L. 400
 Wilson, J. 2021
 Wilson, J. T. 2064, 2069
 Wilson, M. A. 1943
 Wilson, M. W. 1065
 Windisch, C. 2559
 Winfree, R. A. 1264
 Winkowski, K. 1923
 Winstanley, C. 2528
 Winther-Nielsen, M. 2102
 Wischer, D. 1653, 2222
 Wise, L. 537
 Wisniewski, M. 130
 Wisniewski, M. E. 127
 Witjes, C. M. J. W. 2557
 Wittich, R. M. 1581
 Wittke, P. V. 1839
 Woad, P. R. 2105
 Wojtowitz, M. 604
 Wolf, J. de 1631
 Wolf, P. 2392
 Wolf, W. R. 48
 Wolfaardt, G. M. 2587
 Wolfe, G. V. 2375
 Wolfe, R. E. 1360
 Wolff, J. 89, 544
 Wolgel, S. A. 2527
 Wolniewicz, E. 1104
 Wolters, V. 420
 Wong, A. C. L. 235, 681
 Wong, H. C. 1852
 Wong, P. K. 1480, 2128, 2138,
 2382
 Wood, C. W. 1530
 Wood, G. E. 62
 Wood, L. 2450
 Wood, T. 419
 Wood, T. M. 427
 Woodams, E. E. 1096
 Woodmansee, D. E. 1023
 Woodruff, M. A. 721
 Woodward, J. 2177
 Woodward, J. C. 2276
 Woolard, C. R. 2415
 Worden, R. M. 2295
 World Health Organization 664
 World Water and Environmental
 Engineer 344
 Wotton, S. C. 2443
 Wouters, A. 2368
 Wright, I. C. 1345
 Wright, J. D. 411
 Wrigley, T. J. 1093
 Wu, C. F. 1771
 Wu, J. H. D. 2506
 Wu, S. C. 2287
 Wu, S. G. 328
 Wubah, D. A. 2061
 Wuellner, A. M. 1648
 Wurst, M. 2204
 Würtz, H. 1894
 Wyamn, C. E. 2188
 Wyk, C. B. van 1394
 Wyman, C. 948
 Wynia, W. 889
 Xavier, I. J. 1378
 Xing, J. 1641
 Xinming, S. 44
 Xu, H. 2142
 Xu, H. X. 2334
 Xu, P. 328
 Yabannavar, A. 1024
 Yabe, K. 1898-1899
 Yaguchi, H. 892
 Yaguchi, K. 2378, 2543
 Yajima, M. 1727
 Yakabe, Y. 2293
 Yalınlıkuş, M. K. 980
 Yalley, E. S. 1274
 Yamada, H. 1162
 Yamagata, H. 1893
 Yamakawa, K. 53
 Yamakawa, M. 374
 Yamamoto, T. 246
 Yamamoto, H. 1838
 Yamamoto, K. 2180
 Yamamoto, R. T. 231
 Yamane, T. 2178
 Yamashita, T. 2539
 Yamazaki, H. 616, 1115
 Yamba, C. Y. 83
 Yamskov, I. A. 594
 Yanagi, T. 842
 Yanagishiwa, H. 1174
 Yancheski, T. B. 1626
 Yang, C. F. 1498
 Yang, G. 349
 Yang, Q. 2142
 Yang, S. T. 512
 Yang, X. S. 1701
 Yang, Y. 1638
 Yao, M. C. 98
 Yao, Y. F. 571
 Yap, M. G. S. 830
 Yarborough, R. E. 287
 Yardimci, N. 342
 Yamykh, V. S. 1427
 Yasuda, K. 52
 Yasui, H. 1223
 Yasui, T. 2041, 2555
 Yatsunami, K. 148
 Yedloutschnig, R. J. 1211
 Yeoh, B. G. 1686, 1846
 Yeong, C. L. Y. 327
 Yohe, T. L. 1960
 Yokosuka, M. 995
 Yokota, K. 351
 Yonaga, M. 1770
 Yonemoto, Y. 2539
 Yoneyama, S. 252
 Yonezawa, Y. 2199
 Yonge, D. R. 1684-1685
 Yongmanitchai, W. 607
 Youngsmith, B. 607
 Yoo, J. Y. 572
 Yoon, H. S. 965
 Yoshida, N. 1963
 Yoshida, T. 698, 1826
 Yoshida, Y. 1357, 2510
 Yoshikawa, M. 1457
 Yoshikawa, S. 823
 Yoshimoto, Y. 1185
 Yoshizumi, H. 2180-2181
 Young, J. C. 1441
 Young, K. D. 2473
 Young, L. G. 77
 Young, R. F. 890
 Yousef, A. E. 165
 Ysebaert, E. 1506
 Yu, C. M. 1852
 Yu, F. 434
 Yu, F. P. 801
 Yu, J. H. 2508
 Yu, S. 1552
 Yu, W. X. 328
 Yudate, S. 1457
 Yum, D. Y. 2508
 Yuyama, Y. 353
 Yuzaki, H. 1436
 Zaabar, W. R. W. 1593
 Zaborina, O. E. 1029
 Zadrail, F. 2159, 2168
 Zafar, S. I. 1827
 Zahid, W. M. 1526
 Zahran, A. S. 203
 Zähringer, U. 1998
 Zaika, L. L. 260, 1321
 Zaitsev, G. M. 1636, 2202,
 2261
 Zakariashvili, N. G. 2252
 Zakhadov, G. A. 253
 Žáková, Z. 2029
 Zakova, Z. 2028
 Zaloum, R. 1743
 Zambello, I. V. 719
 Zambonelli, C. 2544
 Zamecnik, J. 400
 Zanirato, G. 1886
 Zapico, P. 776
 Zaripova, S. K. 966
 Zavarin, G. A. 372
 Zavarzin, G. A. 1145, 1567,
 1579, 1763
 Zavenella, M. 39
 Zawistowski, J. 2574
 Zboińska, E. 409
 Zeh, R. 845
 Zehnder, A. J. B. 1147, 1557,
 2224
 Zeiku, J. G. 1163
 Zeikus, J. G. 1789-1790
 Zellner, G. 2497
 Zemla, J. F. 2475
 Zeng, A. P. 2182
 Zenneck, C. 478
 Zettier, K. H. 184, 189

- Zeyer, J. 1020
Zhan, W. 893
Zhang, C. G. 2334
Zhang, H. M. 2463
Zhang, S. C. 2334
Zhang, Y. D. 1759
Zhang, Z. Y. 385
Zhao, H. 2131, 2393
Zhao, S. 2175
Zhao, T. 1974
Zhao, X. H. 1759
Zharikov, G. A. 376
Zheng, Q. F. 1498
Zheng, Y. 1788
Zhi, G. W. 825
Zhou, J. L. 2453
Zhu, H. 512
Zhu, J. 1961
Zhuang, P. 2282
Zhubanova, A. A. 787
Zhukova, L. A. 1782
Ziauddin, K. S. 1972
Zibetta, H. 634
Ziegenfuss, P. S. 313
Zimmerman, W. 1745, 1814
Zimmermann, U. 279
Zingarelli, L. 2253
Zink, D. L. 45
Ziółkowska, G. 1812
Zirschy, J. H. 1716
Zitko, V. 1917
Zobnina, V. P. 2319
Zohri, A. A. 738
Zoller, U. 2333
Zoppini, A. 2545
Zosim, Z. 1604, 1746
Zottola, E. A. 840
Zouari, N. 1094
Zouboulis, A. I. 2155
Zoutberg, G. R. 2090
Zschaler, R. 36
Zubr, J. 387
Zucchetti, A. 1857
Zucchi, M. 1914
Zuin, A. 54
Žurek, R. 1398
Zylstra, G. J. 2297

SUBJECT INDEX

- Abattoirs**
 bacterial count, steam sterilization, Italy 1978
 beef
 bacterial count 161
 $Salmonella$ 161
 cattle dung, meat hygiene, legislation, Finland 754
 equipment, personnel, contamination, $Salmonella$, public health, India 23
 waste water treatment
 anaerobic digesters
 kinetics 1119
 supports 1119
Abies sachalinensis, antifungal agents, production 252
Absidia corymbifera, pectins, biodegradation, enzymes 606
Acacia auriculiformis, resistance, wood destroying fungi 216
Acanthoscelides obtectus, control, *Phaseolus vulgaris*, sieving 1270
Acenaphthene
 biodegradation
 $Alcaligenes eutrophus$ 1565
 $Alcaligenes paradoxus$ 1565
Acetates
 biodegradation, *Natronococcus occultus*, enzymes 1079
 inhibition, *Escherichia coli* 830
 interspecies transfer, bacteria, methane, mathematical models 2281
 methane production, anaerobic digestion, cobalt, effects 1671
 production
 carbon dioxide, utilization, *Clostridium ljungdahlii* 2461
 carbon monoxide, utilization, *Clostridium ljungdahlii* 2461
 hydrogen, utilization, *Clostridium ljungdahlii* 2461
 microorganisms
 anaerobic treatment
 inhibition
 chloroanilines 1441
 chlorophenols 1441
 whey, utilization, anaerobic treatment 512
Acetic acid, *Listeria monocytogenes*, inhibition 261
Acetobacter
 bioreactors, assays, mathematical models 589
 2-phenylethanol, oxidation, phenylacetaldehyde, production 1568
Acetobacter aceti, yoghurt, containers, defects, collapse, Italy 210
Acetobacter xylinum, cellulose, production, glucose 396
Acetonitrile, utilization, bacteria, isolation 404
Achromobacter delicatulus, whey, utilization, glucans, production 516
Acid mine drainage
 biological treatment, cellulosic wastes, utilization 1115
 treatment, wetlands, artificial 1499
Acidiphilum
 heavy metals, bacterial leaching, genetic engineering 480
 iron, bacterial leaching 478
 metals, bacterial leaching, genetic engineering 480
Acids, resistance, *Salmonella enteritidis*, pH 1851
Acidulants, salads, beef, *Escherichia coli*, pH, temperature 1924
Acinetobacter
 effluents, phosphates, removal, identification, SDS-page 500
 food industry, water purification, filters, microbial contamination 33
Acinetobacter anitratus, lignin, biodegradation, ligninase 416
Acinetobacter baumannii
 antibiotics, resistance 1370
 metals, resistance 1370
Acinetobacter calcoaceticus
 antibiotics, resistance 1370
 ketones, biodegradation, lactones, production 962
 metals, resistance 1370
 polymers, exocellular, production, reviews 574
Acinetobacter iwoffii, plant oils, biodegradation 1274
Acinetobacter johnsonii, phosphates, uptake 1147
Acinetobacter junii
 antibiotics, resistance 1370
 metals, resistance 1370
Acronemum, petroleum hydrocarbons, biodegradation, Indonesia 596
Acrylates, production, waste water, biological treatment, activated sludge 968
Actinomycetales
 composts, carbon monoxide, utilization, taxonomy 2556
 cork, biodegradation 213
 d-malic acid, production, reviews 1082
 drinking water, odours, Canada 1871
 geosmin, production, temperature 277
 lignocellulosic wastes, biodegradation, reviews 1605
 2-methylisoborneol, production, temperature 277
 soil, carbon monoxide, utilization, taxonomy 2556
Activated carbon
 application, activated sludge, plastics, manufacture, waste treatment, dewatering 1023
 biofilms, landfill leachates, organic compounds, removal, fluidized beds 322
Activated sludge
 acrylates, production, waste water, biological treatment 968
 activated carbon, application, plastics, manufacture, waste treatment, dewatering 1023
 aeration
 comparisons, microorganisms, aerosols, release 2127
 design, landfill leachates, biological treatment 910
 mathematical models 911
 respiration rate, estimation, sewage, treatment 2140
 aerobic conditions, sewage, phosphorus, removal, microorganisms, growth, mathematical models 2413
 anaerobic conditions, aerobic conditions, nitrogen, removal, sewage 1478
 anaerobic treatment
 microbial flora 1477
 phosphorus, removal 1698
 tannery waste, waste water treatment, India 528
 aroclor, biodegradation, waste water, sewage 2305
 bacteria, oxidation, isolation 2554
 beet sugar, waste water, biological treatment, Italy 518
 biofilms, bacteria, microbial activities 2551
 biological filtration, sewage, nitrification, USA 1086
 biological fixed-film systems, volatile compounds, inhibition, comparisons 1428
 biological treatment
 cattle manure, nitrification, denitrification, Netherlands 545
 detergents, production, waste water 2332
 halogenated organic compounds, removal, pulp mill effluent 2442
 biomass, separation, determination 907
Activated sludge cont.
 bioreactors, design, petroleum production, waste water, biodegradation 2431
 caesium, removal, waste water treatment 1066
 2-chlorophenol, biodegradation 2294
 ciliates, mathematical models 2134
 clarifiers, analysis, mathematical models, Spain 2136
 cobalt, removal, waste water treatment 1066
 coke plant effluent, pretreatment 2463
 comparison, halogenated organic compounds, removal, kraft mill effluent 2440
 control
 instrumentation
 nitrogen, removal, sewage, Sweden 1474
 phosphorus, removal, sewage, Sweden 1474
 denitrification, phosphorus, removal, mathematical models 2132
 design, performance, evaluation 356
 dewatering, Saudi Arabia 2094
 diffusers, fouling, reviews 906
 dyes, adsorption, *Aeromonas* 2449
 effects
 ethylene diamine tetracetate, photoprocessing waste waters, USA 2434
 nitrogen compounds, photoprocessing waste waters, USA 2434
 sulfur, photoprocessing waste waters, USA 2434
 energy, efficiency 343
 excess
 aerobic treatment, sludge age, effects 1436
 anaerobic digestion, methane production, heavy metals, effects 924
 foaming
 bacteria, fatty acids, analysis 2128
 $Noxardia amarae$, control, hypochlorites, Hong Kong 2138
 glucosamine, derivatives, biodegradation 823
 granules, analysis 355
 heavy metals, removal 1680
 immobilization
 calcium alginate
 benzene, biodegradation 1558
 2-chlorophenol, biodegradation 1558
 indoles, sorption 350
 iodine, removal, waste water treatment 1066
 kinetics, mathematical models 353
 leather industry
 waste water treatment
 chromium, removal 1112
 phenolic compounds, removal 1112
 membranes
 utilization
 aerobes, removal 2126
 coliform bacteria, removal 2126
 microbial flora, substrates, utilization 905
 morpholine, biodegradation 2221
 nitrification
 assessment, oxygen, Sweden 1702
 fatty acids, effects 2395
 oxygen, application, Sweden 492
 trimethylamine, effects 2395
 nitrogen
 control, chemicals, aerobic digestion 880
 removal
 control, algorithms 2131
 dynamic models 2393
 instrumentation, measurement, Denmark 2388
 2-nitrophenol, biodegradation 1028

- Activated sludge cont.**
- nitrous oxide, generation, sewage 1706
 - nutrients, removal, control, denitrification 2130
 - operation, low temperature 2129
 - organic compounds, removal, ground-water, sewage 1560
 - oxygen uptake
 - detergents 351
 - surfactants 351
 - pentachlorophenol, biodegradation 2294
 - performance
 - sewage treatment
 - arid climate, United Arab Emirates 354
 - USA 358
 - petroleum wastes, nitrification, control, expert systems 1475
 - phenols, biodegradation, bioreactors, design 908
 - phosphorus
 - control, chemicals, aerobic digestion 880
 - immobilization, microbial activities, nitrates, availability, Germany 499
 - pig manure, volatile fatty acids, removal 1770
 - piggery effluent
 - biological treatment, aeration, continuous, intermittent, comparisons, Taiwan 1771
 - Paracoccus denitrificans*, isolation 1769
 - Pseudomonas*, isolation 1769, 1798
 - polycaprolactone, biodegradation, assessment 2293
 - polychlorinated biphenyls, biodegradation, waste water, sewage 2305
 - pulp and paper industry, dewatering 2447
 - pulp mill effluent
 - biodegradation, ozone, radiation, treatment 2444
 - biological treatment 1476
 - bioreactors, Canada, Alberta 1108
 - separation, membranes, economics 909
 - settlement, characteristics, instrumentation, measurement 2125
 - sewage
 - biological treatment
 - Escherichia coli*, genetically engineered microorganisms 2141
 - Pseudomonas putida*, genetically engineered microorganisms 2141
 - treatment
 - bile pigments, biodegradation, detection, HPLC 1775
 - conditioning, polyelectrolytes 2137
 - sewage effluent, detergents, biodegradation 2333
 - sodium anthraquinone-2-sulfonate, biodegradation, bioreactors, design 908
 - stability, waste water, composition, mathematical models 349
 - storage, anaerobic conditions, conditioning 2103
 - sulfides, utilization, sewage, *Thiothrix* 2545
 - surplus, thickening, flotation, equations 1479
 - treatment, photoprocessing waste waters, sludges, anaerobic digestion, effects 2435
 - 2,4,6-trichlorophenol, biodegradation 2294
 - unacclimated, aromatic compounds, biodegradation, mathematical models 961
 - vehicles, production, waste water, biological treatment, Egypt 535
 - vitamins, heterotrophic microorganisms, requirements 2133
 - waste water treatment
 - analytical methods, monitoring 1471
 - bioreactors, design 357
 - kinetics 2139

Activated sludge cont.

waste water treatment cont.

 - models
 - calibration 1481
 - UK 352
 - nickel 1480
 - Nigeria 2488
 - nitrilotriacetic acid 1480
 - phosphorus, removal, chemical precipitation, reviews, South Africa 501
 - zinc, sorption, microorganisms 1063

Adipic acid, production, adiponitrile, biodegradation, *Brevibacterium*, mutants 1791

Adiponitrile, biodegradation, *Brevibacterium*, adipic acid, production, mutants 1791

Advanced treatment, nitrification, sewage, economics 2392

Aeration

 - activated sludge, mathematical models 911
 - bioventing, solvents, chlorinated, biodegradation, groundwater, bioremediation 2069
 - continuous, intermittent, comparisons, piggery effluent, biological treatment, activated sludge, Taiwan 1771
 - water, oxidation ditches, sewage, treatment 1497

Aerobes

 - mustard, production, microbial contamination 1910
 - organic compounds, biodegradation, screening 2579
 - phenolic compounds, biodegradation, olive oil, production, waste water 1094
 - phytol, biodegradation, sea water, temperature, effects 2307
 - polyamines, 6-aminohexanoic acid, biodegradation 454
 - removal, membranes, utilization, activated sludge 2126
 - toxic substances, biodegradation, screening 2579

Aerobic conditions

 - chlorinated hydrocarbons, biodegradation, environment 1557
 - dairy wastes, biological treatment, reviews, Belgium 515
 - hydrogen peroxide
 - polychlorinated biphenyls
 - biodegradation
 - polluted water, sediment 1652
 - water pollution, sediment 1652
 - Listeria monocytogenes*, growth, kinetics, mathematical models 1853
 - organic compounds, biodegradation, environment, reviews 855
 - silage, production, mathematical models 1124
 - sulfur
 - reduction
 - gram positive bacteria 1695
 - yeasts 1695

Aerobic digestion

 - azo compounds, biodegradation, sludges 2448
 - design, sewage sludge, Canada 1433
 - fatty acids, production, sludges, primary 2097
 - nitrogen, control, chemicals, activated sludge 880
 - phosphorus, control, chemicals, activated sludge 880

Aerobic treatment

 - activated sludge, excess, sludge age, effects 1436
 - bioreactors
 - landfill leachates, Sweden 371
 - o-cresol, biodegradation 1032
 - phenols, biodegradation 1032
 - carbon, mineralization, cattle manure 1764
 - composting, cattle slurry 547
 - denitrification, pig slurry 2482
 - hexachlorocyclohexane, biodegradation, *Pseudomonas paucimobilis* 2201

Aerobic treatment cont.

 - lagoons, organochlorine compounds, removal 397
 - nitrification, pig slurry 2482
 - nitrogen, mineralization, cattle manure 1764
 - olive oil, production, waste water, fluidized beds 504
 - phosphates, removal, waste water, bacteria, competition 1091
 - pig slurry
 - feeds, production 1766
 - nitrogen oxides 2484
 - potatoes, processing, waste water, thermophilic microorganisms 329
 - pulp mill effluent, sulfites, Canada 527
 - sewage, microbiology, reviews 874
 - sewage sludge
 - bioreactors, design 2092
 - South Africa, performance 2091
 - temperature, models 2093
 - waste water
 - biomass, increase, ultrafiltration 2085
 - hatcheries, fish farming 879
 - poultry housing, China 1121

Aeromonas

 - adhesion 265
 - chicken meat
 - contamination, isolation, culture media 1325
 - microbial contamination 1326
 - chitin, biodegradation, enzymes, purification 2507
 - chitinase, genetics 1134
 - drinking water
 - classification 625
 - culture media 1868
 - enumeration 1868
 - dyes
 - adsorption
 - activated sludge 2449
 - soil 2449
 - foods
 - classification 625
 - cytotoxic compounds, production 51
 - iron, removal 1675
 - salmon, processing 147

Aeromonas caviae

 - chicken meat, contamination, isolation, culture media 1325
 - water pollution, sewage, indicator species, India 1377

Aeromonas hydrophila

 - bottled water, contamination, analytical methods, development, Canada 1222
 - chicken meat, contamination, isolation, culture media 1325
 - control, pigmeat, contamination, vacuum packaging, cold storage 1925
 - drinking water, contamination, analytical methods, development, Canada 1222
 - foods, cytotoxic compounds, production 51

Aeromonas sobria

 - chicken meat, contamination, isolation, culture media 1325
 - foods, cytotoxic compounds, production 51

Agricultural byproducts

 - biodegradation control
 - preservatives 538
 - silage making 538

Agricultural wastes

 - anaerobic digestion, models 1524
 - anaerobic treatment, Malaysia, books 1724
 - Azospirillum lipoferum*, isolation, growth, culture media 621
 - biological treatment
 - biotechnology, Malaysia, reviews 1117
 - Malaysia, books 1620, 1686, 1748-1749, 1753, 1779, 1846
 - composting, supply balance, USA 1465
 - industrial wastes, biogas, production, anaerobic digestion 540
 - methane production, composting, anaerobic conditions, Egypt 537

- Agricultural wastes** *cont.*
 organic compounds, biological treatment 973
 sludges, application to land, environmental impact 1760
 treatment, anaerobic digestion, application to land 539
- Agriculture**
 sewage effluent disposal, reviews, India 927
 waste water utilization
 Middle East, reviews 370
 North Africa, reviews 370
 water reuse, waste water, biological treatment, Cape Verde 382
- Agrobacterium**, monomethyl sulfate, biodegradation 2217
- Agrobacterium radiobacter**, sucrose, utilization, trehalulose, production 1787
- Agrocybe aegerita**
 grape residues, fermentation, digestibility 944
 orange peel, fermentation, digestibility 944
- Air**
 injection, petroleum hydrocarbons, groundwater, pollution, bioremediation 2067
 organic compounds, halogenation, algae, marine environment, enzymes 609
- Air microbiology**, *Penicillium*, urbanization, Mexico 2032
- Air pollution**
 ammonia, pig housing, biological filtration 550
 animal housing 851
 bioremediation 1623
 biotechnology, reviews 1429
 cattle housing 851
 chlorinated hydrocarbons, removal, bacteria 1422
Eichornia crassipes, methane production, India 285
 organic compounds, biological filtration 2122
 organochlorine compounds, Canada 1404
- Air quality**, microbial contamination, meat products, processing 1322
- Air spora**
 books, microbial contamination, reviews 1955
 paintings
 fungi, reviews 1956
 microbial contamination, reviews 1956
 works of art, microbial contamination, reviews 1954
- Airborne infection**, bacteria, aerosols, sewage, treatment, workers 2038
- Alcaligenes**, phenanthrene, biodegradation, polluted soils 1566
- Alcaligenes bronchisepticus**, mandelic acid, oxidation 964
- Alcaligenes eutrophus**
 acenaphthene, biodegradation 1565
 2,4-D
 biodegradation
 genetic analysis 1667
 preservation 2043
 enzymes, polyhydroxybutyrate, production 2538
 polyhydroxyalcanoate
 biodegradation 2510
 production 2510
 polyhydroxybutyrate
 production 2509
 granules, crystallization 2521
 xylose, utilization, gene transfer 2547
- Alcaligenes faecalis**
 chlorbenzoates, biodegradation 1574
 denitrification 490
 nitification 490
- Alcaligenes paradoxus**, acenaphthene, biodegradation 1565
- Alcohols**
 biodegradation, *Peniophora gigantea*, alcohol oxidase 2565
 production, coal, upgrading, anaerobes 2469
- Aldicarb**
 biodegradation, soil, organic fertilizers 464
 bioterrorism, soils, assessment 1046
- Algae**
 algicides, organotin compounds 241
 antifouling agents, organotin compounds 241
 bacteria, water systems, biofouling 28
 biomass
 lakes, phosphorus, input, mathematical models 849
 recovery, flocculation, polymers, cations 565
 calcium carbonate, coccoliths, separation 2568
- carbon dioxide, fixation, atmosphere 2567
- eutrophication
 coastal areas, fertilizers, models, USA, Alaska 308
 lagoons, Italy 2116
- fermentation, methane production, bioreactors 956
- growth, inhibition, barley straw, biodegradation, fungi 2560
- heavy metals, removal, reviews 474
- macrophytes, piggery effluent, treatment, biomass, production, feeds 2174
- marine environment, air, organic compounds, halogenation, enzymes 609
- phosphorus, levels, inhibition, eutrophication, reservoirs, Czech Republic 2412
- production, organic compounds, biodegradation, reservoirs, Czech Republic 2200
- proliferation, reservoirs, eutrophication, Czech Republic 2028
- refuse, composting, pathogens, removal, Italy 2116
- removal
 fluidized beds, effluents, ponds, waste water treatment, upgrading 1490
 waste water treatment, biological filtration 903
- rubber industry, effluents, biological treatment ponds 1114
- Algae culture**, immobilization, loofah 1827
- Algal blooms**
Amphicyrhis compressa, water pollution, marine environment, Egypt 2008
 aquaculture
 economic impact, Developing Countries 1311
 environmental impact, Developing Countries 1311
- estimation, mathematical models, phosphorus, reservoirs, eutrophication, Brazil 1714
- eutrophication, *Uroglena americana*, lakes, Japan 1400
- Exuviaella cordata*, Black Sea, toxicity 1919
- Microcystis*, flotation, sedimentation, lakes, Japan 284
- nitrogen, uptake, ammonium, *Gymnodinium aureolum*, English Channel 2386
- reservoirs, ecosystems, food chains, control, Poland 1398
- toxicity, dynamics, Baltic Sea 1397
- water pollution, eutrophication 297
- water quality, eutrophication 297
- Algeria**, heavy metals, removal + sewage sludge, stabilization, bacterial leaching 2343
- Algicides**, organotin compounds, algae 241
- Alginates**, depolymerization, bacteria, enzymes, reviews 2539
- Alkanes**
 biodegradation 444
Marinobacter hydrocarbonoclasticus, nutrients 1624
 microorganisms, lipids, content 1577
Pseudomonas 1013
 yeasts 1635
- halogenated alkanes, biodegradation, reviews 1633
- Allescheria terrestris**, enzymes, temperature, tolerance 1170
- Alternanthera philoxeroides**, sewage, treatment, ponds 2142
- Alternaria**
 cereal grains
 Australia 1267
 differentiation 1267
 mycotoxins, cereals 700
- Alternaria alternata**
 cereal grains, Australia 1267
 melons, postharvest decay, control 1298
 olives, mycotoxins, Italy 735
- Aluminum**
 bauxite
 bacterial leaching, *Thiobacillus* 1068
 leaching, fungi 1068
- Amendments**
 methyl sulfide, biodegradation, estuaries, USA, Georgia 2375
 soil, production, refuse, anaerobic digestion 2489
- Amine oxides**, biodegradation, microorganisms, activated sludge 399
- Amines**
 biodegradation
Arthrobacter 2212
Mycobacterium 2212
 contamination, sardines, bacteria, control, sodium chloride 148
 production
 bacteria
 fish 749
 mackerels 749
 sausages, lactic acid bacteria 764
- Amino acids**
 production
 ethanol production
 cellulosic wastes, microbial degradation, reviews, USSR 988
 lignocellulosic wastes, microbial degradation, reviews, USSR 988
 methanol, biodegradation, *Methylobacillus flagellatum*, determination 946
- Ammonia**
 bioreactors, determination 1833
 control, pig slurry, biodegradation, straw, zeolites 338
 nitrification, nitrifying bacteria, environment, reviews 1709
 oxidation, *Nitrosomonas europaea*, inhibition, hydrocarbons 2542
 poultry manure, nitrification, *Thiosphaera pantotropha* 2487
 removal, biofilters, cattle slurry, composting 546
- Ammonium**
 assimilation, *Bacillus*, enzymes 1142
 reduction, *Plectonema boryanum* 1084
- Ammonium chloride**, supplements, pulp mill effluent, biodegradation, *Pseudomonas putida* 1110
- Amphicyrhis compressa**, algal blooms, water pollution, marine environment, Egypt 2008
- Amygdalin**, biodegradation, microorganisms, screening 2571
- β-Amylase**, production, *Bacillus circulans* 462
- Anabaena**, hydrogen, production, marine environment, photosynthesis 2192
- Anabaena dolomitum**, water, heavy metals, removal, pH, organic acids 2351
- Anaerobes**
 aromatic acids, biodegradation, organic sulfur compounds, production 2227
 biotechnology, reviews 2537
 chloroform, biodegradation 975
 coal
 solubilization, reviews 2470
 upgrading, alcohols, production 2469
 cultures, storage 1186
 environment, stress, biology, reviews 1163
 granules
 growth, bioreactors, substrates, effects 1506
 structure, anaerobic digesters, reviews 1504

- Anaerobes cont.**
- growth
 - biodegradation, biological fixed-film systems 1454
 - chlorinated hydrocarbons, biological fixed-film systems 1454
 - organic compounds, biological fixed-film systems 1454
 - methane production
 - anaerobic digesters, determination 1507
 - chemicals, industrial, inhibition 1505
 - mustard, production, microbial contamination 1910
 - organic compounds, biodegradation, determination 1507
 - polychlorinated biphenyls, biodegradation, rivers, sediment, USA, New York 1650
 - poly(vinyl alcohol), biodegradation 1672
 - salt tolerance, reviews 2502
- Anaerobic conditions**
- anthranilic acid, biodegradation, *Pseudomonas*, enzymes 971
 - biological filtration
 - carriers, pig manure, methane production 887
 - comparisons, olive oil, waste water, biological treatment 1718
 - mussels, cooking, factory effluents, biomass, characteristics 1473
 - olive oil, production, waste water treatment 504
 - temperature, comparisons 899
 - biological fixed-film systems, drugs, production, waste water treatment, cobalt, application 520
 - bioreactors
 - comparisons, olive oil, waste water, biological treatment 1718
 - fluidized beds, paper, wastes, processing, waste water treatment 2445
 - chlorinated hydrocarbons, biodegradation, water 1576
 - dairy wastes, biological treatment, reviews, Belgium 515
 - drugs, production, waste water, fluidized beds, biological treatment, design 1458
 - ethylene, production, poultry litter, amendments, soil, USA 555
 - methane production
 - agricultural wastes, composting, Egypt 537
 - villages, wastes, composting, Egypt 537
 - organic compounds, biodegradation, environment, reviews 855
 - phenolic compounds, biodegradation, bacteria, methane production 456
 - phenols
 - biodegradation, biological fixed-film systems 2299
 - metabolism, *Pseudomonas*, enzymes 1155
 - plant residues, biodegradation 1613
 - poly(vinyl chloride), biodegradation, biological fixed-film systems 336
 - yeast sludge, production, waste water, fluidized beds, biological treatment, design 1458
- Anaerobic digesters**
- abattoirs
 - waste water treatment
 - kinetics 1119
 - supports 1119
 - amendments, microorganisms, biological treatment, cane sugar, production, waste water 519
 - anaerobes, granules, structure, reviews 1504
 - brewery effluent
 - hydraulic overload, kinetics 2153
 - waste water treatment, microbiology 506
 - cattle manure, biodegradation, biogas, production, Switzerland 1516
 - Clostridium*, isolation, cellulose, biodegradation 417
 - design
 - biogas
 - production 954
 - farmyard manure, Czech Republic 955
 - India 953
 - vinasse, sugarcane, biodegradation, Brazil 1512
 - domestic gardens, plant residues, biodegradation, biogas, production, Switzerland 1516
 - methane production
 - anaerobes, determination 1507
 - nitrogen, simulation models 1523
 - Methanobacteriaceae, estimation, glycerolipids 2573
 - mixing patterns, waste water treatment, analytical methods, models 920
 - operation
 - organic wastes, refuse, biodegradation, biogas, production 1514
 - slurries, biogas, production, economics, Germany 390
 - overloading, indicators 916
 - refuse, biological treatment 1513
 - sewage sludge
 - capric acid, inhibition 1502
 - fatty acids, inhibition 1502
 - sludges, granules, bacteria, identification, transmission electron microscopy 854
 - slurries, biogas, production, economics, Germany 389
 - start up, monitoring, refuse, treatment 2147
 - sulfates
 - reduction
 - molybdates, inhibition 1508
 - transition metals, inhibition 1508
 - supports, zeolite, cattle manure, kinetics 883
 - ultrafiltration, distillery effluent, treatment, methane production 2422
- Anaerobic digestion**
- activated sludge, excess, methane production, heavy metals, effects 924
 - agricultural wastes
 - models 1524
 - treatment, application to land 539
 - animal manures
 - slurries, sewage sludge 919
 - treatment, application to land 539
 - animal wastes
 - biogas
 - production 544
 - Germany 388
 - methane production, mathematical models 542
 - slurries, methane production 2480
 - azo compounds, biodegradation, sludges 2448
 - bakers' yeast
 - effluents 1728
 - production, effluents 2156
 - beet sugar, waste water, biogas, production, Italy 518
 - biochemistry, reviews 1501
 - biogas
 - production
 - agricultural wastes, industrial wastes 540
 - animal manures, industrial wastes, refuse, Denmark 1515
 - cattle manure 2481
 - cattle slurry
 - grasses 548
 - industrial wastes 540
 - electricity, production, animal manures, abattoirs, Senegal 952
 - pig slurry, industrial wastes 540
 - poultry manure 951
 - refuse, bioreactors 1511
 - brewery effluent, biochemistry 1725
 - carbon, mineralization, cattle manure 1764
 - cattle dung + poultry manure + whey
 - methane production
 - retention 2152
 - temperature 2152
- Anaerobic digestion cont.**
- design
 - biogas
 - production 954
 - farmyard manure, Czech Republic 955
 - India 953
 - vinasse, sugarcane, biodegradation, Brazil 1512
 - domestic gardens, plant residues, biodegradation, biogas, production, Switzerland 1516
 - methane production
 - anaerobes, determination 1507
 - nitrogen, simulation models 1523
 - Methanobacteriaceae, estimation, glycerolipids 2573
 - mixing patterns, waste water treatment, analytical methods, models 920
 - operation
 - organic wastes, refuse, biodegradation, biogas, production 1514
 - slurries, biogas, production, economics, Germany 390
 - overloading, indicators 916
 - refuse, biological treatment 1513
 - sewage sludge
 - capric acid, inhibition 1502
 - fatty acids, inhibition 1502
 - sludges, granules, bacteria, identification, transmission electron microscopy 854
 - slurries, biogas, production, economics, Germany 389
 - start up, monitoring, refuse, treatment 2147
 - sulfates
 - reduction
 - molybdates, inhibition 1508
 - transition metals, inhibition 1508
 - supports, zeolite, cattle manure, kinetics 883
 - ultrafiltration, distillery effluent, treatment, methane production 2422
- Anaerobic digestion cont.**
- cattle manure, dairy farms, biogas, production 1765
 - cellulose, methane production, kinetics 1587
 - Chlorella vulgaris*, biogas, production 2185
 - copper, removal, sulfides, generation 1067
 - crop residues, animal wastes, methane production 2191
 - dicarboxylic acids, biodegradation, bacteria, methane production 2203
 - distillery effluent 2155
 - biochemistry 1726
 - phenols, removal, *Geotrichum candidum* 2150
 - effects, sludges, activated sludge, treatment, photoprocessing waste waters 2435
 - farmyard manure, treatment, application to land 539
 - fatty acids, effects 1039
 - fish, flours, waste water treatment 2157
 - fruit, biodegradation, biogas, production, Switzerland 1516
 - glucose, utilization, sludges, bacteria, granules, growth 366
 - granules
 - cobalt, effects 914
 - iron, effects 914
 - nickel, effects 914
 - grape vines, crop residues, fertilizers, production 2149
 - green manures, production, animal manures, industrial wastes, refuse, Denmark 1515
 - kinetics
 - ethanol production, organic wastes, mathematical models 915
 - methane production, organic wastes, mathematical models 915
 - kraft mill effluent, biological treatment 875
 - landfill leachates, kinetics 2154
 - maize, methane production, kinetics 1587
 - methane production
 - acetates, cobalt, effects 1671
 - determination 1520
 - Eichhornia crassipes*, cattle dung, metals, salts, effects 2250
 - inhibition, chemicals, monitoring 1191
 - methanol, cobalt, effects 1671
 - mushroom compost, crop residues, biogas, production 997
 - night soil
 - biodegradation
 - nitrates 2494
 - sulfates 2494
 - biogas, production 1780
 - nitrogen, mineralization, cattle manure 1764
 - olive oil
 - milks, waste water treatment, Greece 1098
 - production, effluents 2420
 - olives
 - processing, waste water, bioreactors, supports, clay 2416
 - waste water treatment
 - detoxification 365
 - kinetics 921
 - organic matter, methane production, microbial flora, mathematical models 1553
 - palm oil mill effluent 1519
 - pathogens
 - reduction, sewage sludge, application to land, legislation, USA 2034
 - removal, animal manures 2477
 - performance, sludges 1521
 - phosphorus, removal, mathematical models 1089
 - pig slurry, energy sources, Hungary 949
 - poultry manure, environmental factors, UK 553
 - pretreatment, *Azotobacter chroococcum*, olive oil, production, waste water 1722

Anaerobic digestion cont.

- refuse
 - amendments, soil, production 2489
 - methane production 2189, 2489
 - reviews, Europe 426
- sewage sludge
 - copper, bacterial leaching 2338
 - organic matter, characterization, elecrofocusing 1128
 - primary, volatile fatty acids, production, phosphorus, removal, biological treatment, effects 1712
 - zinc, bacterial leaching 2338
- sheep dung, biogas, production 2479
- slurries
 - biogas, production, Germany 388, 391
 - environmental impact 392
- soft drinks, waste water treatment 1723
- sorghum, methane production, kinetics 1587
- sugarcane bagasse, methane production, pretreatment 2260
- surfactants
 - cattle dung, methane production 2193
 - poultry manure, methane production 2193
 - whey, methane production 2193
- temperature
 - biogas, production, cattle slurry 1762
 - effects, cattle manure, biodegradation 1763
 - methane production, cattle slurry 1762
- olives, processing, waste water 2417
- tomato waste, hydrolases 1720
- tomatoes, processing, wastes 505
- two-phase, assessment, methane production, sewage 2148
- vegetables, biodegradation, biogas, production, Switzerland 1516
- volatile fatty acids, bioreactors, temperature 917
- waste water treatment
 - fatty acids, pH 918
 - sulfates, pH 918
- wastes, biodegradation, methane production, evaluation 2194
- yeasts, refuse 1781

Anaerobic digestion + aerobic treatment, sewage sludge, South Africa 2084

- Anaerobic treatment**
- activated sludge
 - phosphorus, removal 1698
 - tannery waste, waste water treatment, India 528
 - aerobic treatment
 - bioreactors, denitrification, water purification, aquaculture 2394
 - lagoons, organic halogen compounds, removal, kraft mill effluent 1485
 - agricultural wastes, Malaysia, books 1724
 - anaerobic treatment, nitrobenzene, biodegradation, waste water 2272
 - animal manures, reviews 1459
 - biofilms, efficiency, equations 884
 - biological fixed-film systems, kraft mill effluent, microbial flora, Sweden 1747
 - bioreactors
 - activated carbon, dyes, removal, pulp mill effluent 2443
 - biological fixed-film systems
 - sulfates, reduction, kraft mill effluent, thermomechanical pulping 1744
 - sulfites, reduction, kraft mill effluent, thermomechanical pulping 1744
 - cheesemaking, waste water, chemical oxygen demand, removal 1731
 - chlorophenols, removal, waste water 1648
 - distillery effluent, control 1518
 - landfill leachates 1453
 - methane production, sewage, Japan 1447
 - performance 1438
 - sewage, India 1446
 - phosphorus, removal, sewage 2407

Anaerobic treatment cont.

- bioreactors cont.
 - refuse, humus, production 1456
 - sewage
 - Brazil 1448
 - Colombia 1449
 - microorganisms, carbon dioxide, production, monitoring 1437
 - Netherlands 1450
 - shock loadings, effects 1444
 - sulfates, removal, waste water, bacteria, competition 1452
 - thermophilic bacteria, granules, growth 2102
 - waste water, microorganisms, carbon dioxide, production, monitoring 1437
 - cannery effluent, bioreactors 2090
 - carboxylic acids
 - biodegradation
 - Desulfotomaculum* 2284
 - Methanobacterium thermoautotrophicum* 2284
 - chlorinated aliphatic compounds, biodegradation, bioreactors 1632
 - chlorinated hydrocarbons, biodegradation, bioreactors 1632
 - composting, methane production, organic wastes, refuse 1466
 - design, distillery effluent, wine industry 1455
 - distillery effluent
 - biological filtration 1517
 - fluidized beds, biological, control, dynamic models 1509
 - gelatin, biodegradation, *Thermobacteroides proteolyticus* 2101
 - ice cream, production, waste water, bioreactors, operation, parameters 1510
 - industrial wastes, Malaysia, books 1724
 - inhibition
 - chloroanilines
 - acetates, production, microorganisms 1441
 - methane production, microorganisms 1441
 - chlorophenols
 - acetates, production, microorganisms 1441
 - methane production, microorganisms 1441
 - kraft mill effluent
 - bioreactors, design, comparisons 1440
 - phenolic compounds, removal 1107
 - lagoons, organochlorine compounds, removal 397
 - membranes, ultrafiltration, wool production, waste water 1457
 - methane production
 - refuse, biodegradation, landfills 1556
 - sludges, toxic substances 2044
 - nitrilotriacetic acid, degradation, heavy metals, bank filtration 1751
 - pulp mill effluent, sulfites, Canada 527
 - sewage
 - biodegradation, determination 1503
 - microbiology, reviews 874
 - slaughterhouse waste
 - bioreactors
 - bamboos, supports 2159
 - supports, organic compounds 2478
 - waste water 334
 - sludges, bioreactors, performance 1442
 - sorption, heavy metals, bank filtration, nitrilotriacetic acid 1751
 - substrates, biodegradation, dynamics, bioreactors, mathematical models 335
 - sugar factory waste, technology 517
 - sulfates, sulfate reducing bacteria, *Methanobacteriaceae*, competition 885
 - trichloroethylene, biodegradation, biological fixed-film systems 1564
 - urea, hydrolysis, bioreactors 1439
 - volatile fatty acids, determination, waste water, analysis 1409
 - waste water
 - biodegradation, determination 1503

Anaerobic treatment cont.

- waste water, III.
 - biological fixed-film systems, supports, materials, comparisons 2100
 - biomass, increase, ultrafiltration 2085
 - bioreactors, design, evaluation 331
 - fluidized beds, Brazil, performance 1451
 - Methanobacteriaceae 886
 - Methanothrix* 886
 - poultry housing, China 1121
 - sulfate reducing bacteria 886
 - waste water treatment 332-333
 - sludges, granules, preservation 337
 - wheat bran, fermentation, microbial flora, methodology 985
 - whey, utilization, acetates, production 512
 - winemaking residues, fluidized beds 1443
- Analytical methods**
- development
 - bottled water, contamination, *Aeromonas hydrophila*, Canada 1222
 - drinking water, contamination, *Aeromonas hydrophila*, Canada 1222
 - feeds, mycotoxins, reviews 1217
 - immunoassay
 - feeds, contamination, moulds 670
 - foods, contamination, moulds 670
 - tomato concentrate, contamination, moulds 731
 - waste water treatment, anaerobic digesters, mixing patterns, models 920
- Anchovies**, bacterial count, histidine, production, quality, indexes, Spain 750
- Ancient monuments**
- biodeterioration, reviews 1957
 - lichens, Italy 2006
- Animal housing**
- air pollution 851
 - microbial contamination 851
 - surfaces, metals, microbial corrosion 1961
- Animal manures**
- abattoirs, biogas, production, electricity, production, anaerobic digestion, Senegal 952
 - anaerobic treatment, reviews 1459
 - biodegradation, green manures, production, reviews 2186
 - industrial wastes
 - biogas, production, bioreactors, design 394
 - refuse
 - biogas, production, anaerobic digestion, Denmark 1515
 - green manures, production, anaerobic digestion, Denmark 1515
 - pathogens, removal, anaerobic digestion 2477
 - sewage sludge, biogas, production, bioreactors, design 394
 - slurries, sewage sludge, anaerobic digestion 919
 - treatment, anaerobic digestion, application to land 539
- Animal production**
- pollution, books 645
 - waste water, environmental impact, books 645
 - wastes, environmental impact, books 645
- Animal wastes**
- anaerobic digestion
 - biogas
 - production 544
 - Germany 388
 - methane production, mathematical models 542
 - application
 - crops, reviews, India 927
 - feeds, reviews, India 927
 - application to land, environmental impact, books 635

- Animal wastes cont.**
- biogas
 - production
 - bioreactors, design, Developing Countries 387
 - large farms, Germany 384
 - composting, environmental impact, books 635
 - crop residues, anaerobic digestion, methane production 2191
 - domestic gardens, wastes, composting, USA 341
 - handling, economics, books 635
 - pathogens, transmission, fish, ponds, aquaculture 1854
 - separation, solid wastes, production, composting 543
 - slurries, anaerobic digestion, methane production 2480
 - utilization, biological treatment, books 645
- Animals**
- heavy metals, biodegradation, reviews 958
 - organochlorine compounds, biodegradation, reviews 958
- Annona muricata**, syrups, microbial contamination, yeasts, Puerto Rico 1280
- Antarctica**
- oil spills, polluted soils, bioremediation 863
 - sewage, biological treatment 324
- Anthracene**
- biodegradation
 - microorganisms, Egypt 1617
 - Phanerochaete chrysosporium* 2266
- Anthrаниlic acid**, biodegradation, *Pseudomonas*, anaerobic conditions, enzymes 971
- Antibacterial agents**
- anthraquinones, *Pseudomonas aeruginosa*, control, 1987
 - control, fatty acids, biodegradation, sediment, fish farming, marine environment 2311
 - Enterobacteriaceae, resistance 1985
 - heterocyclic compounds
 - Escherichia coli* 1354
 - Staphylococcus aureus* 1354
 - phenethyl alcohol, *Escherichia coli*, inhibition 808
 - spices, *Listeria monocytogenes* 1986
- Antibacterial properties**
- formaldehyde, *Pseudomonas aeruginosa*, assessment 1353
 - glycine derivatives
 - Escherichia coli*, inhibition 825
 - Staphylococcus aureus*, inhibition 825
 - isothiazolin, *Pseudomonas aeruginosa*, assessment 1353
 - lactic acid bacteria, cereal products 730
 - lactoferrin, reviews 245
 - lactoperoxidase, reviews 245
 - leucine, production, fatty acids 824
 - phenolic compounds, tea 818
 - quercitol gallates 246
- Antibiotics**
- ampicillin, utilization, *Phormidium valderianum*, growth 1694
 - bacteria, resistance, determination, sensors 2572
 - feeds, *Salmonella*, control 84
 - pesticides, wood destroying fungi, synergism 1056
 - production
 - Bacillus subtilis*, genetic engineering 1144
 - Escherichia coli* 2499
 - resistance
 - Acinetobacter baumannii* 1370
 - Acinetobacter calcoaceticus* 1370
 - Acinetobacter junii* 1370
 - Bacillus*, plasmids 576
 - bacteria, disinfectants, resistance 822
 - streptothricin, resistance, bacteria, genes, Netherlands 835
- Antifouling agents**
- organotin compounds, algae 241
- Antifouling agents cont.**
- paints, ships, *Vibrio harveyi*, biofilms, control, evaluation 807
- Antifungal agents**
- avocados, postharvest decay, *Glomerella cingulata* 1297
 - cheesemaking, rinds, moulds, inhibition 251
 - fungi, assays 1390
 - production
 - Abies sachalinensis* 252
 - fatty acids, *Bacillus subtilis* 248
- Antiinfective agents**, production, *Chlorella*, marine environment, light, induction 1967
- Antimicrobial properties**, glucosamine, derivatives, production, chitin 823
- Aphanizomenon flos-aquae**, reservoirs, eutrophication, Czech Republic 2029
- Aphanocladium album**, chitin, biodegradation, enzyme activity 1814
- Apple juice**
- patulin, analysis 112
 - yeasts, detection 1835
- Apples**
- Botrytis cinerea*, biological control 123
 - damage, cold storage, *Rattus rattus*, control 1395
 - Pezicula malicorticis*
 - cold storage 121
 - controlled atmosphere storage 121
 - postharvest decay
 - Botrytis cinerea*
 - Candida sake*, antagonism 127
 - Candida tenuis*, antagonism 127
 - Penicillium expansum*
 - Candida sake*, antagonism 127
 - Candida tenuis*, antagonism 127
 - storage decay
 - Botrytis cinerea*
 - Candida sake*, antagonism 127
 - Candida tenuis*, antagonism 127
 - control, *Sporobolomyces roseus* 1292
 - control, *Penicillium expansum*, removal, water, filters 126
 - fungi, packing, control 733
 - Mucor piriformis*, Italy 732
 - Penicillium*, fungicide tolerance, imazalil, Spain 829
 - Penicillium expansum*
 - Candida sake*, antagonism 127
 - Candida tenuis*, antagonism 127
 - control
 - heat treatment, calcium chloride 1290
 - Sporobolomyces roseus* 1292
- Application to land**
- agricultural wastes
 - sludges, environmental impact 1760
 - treatment, anaerobic digestion 539
 - animal manures, treatment, anaerobic digestion 539
 - animal wastes, environmental impact, books 635
 - composts, Enterobacteriaceae, contamination, soil 841
 - farmyard manure, treatment, anaerobic digestion 539
 - hydrocarbons, biodegradation 1017
 - petroleum hydrocarbons
 - biological treatment, Venezuela 929
 - residues, biodegradation, microorganisms 1620
 - sludges, microbial degradation, Belgium 1528
 - poultry manure, biodegradation, Saudi Arabia 1177
 - refuse
 - biodegradation, Saudi Arabia 1177
 - vermicomposting, soil properties, improvement, Brazil 339
 - sewage sludge
 - pathogens
 - reduction, anaerobic digestion, legislation, USA 2034
 - reviews 651
 - wastes, vermicomposting, soil properties, improvement, Brazil 339
- Aquaculture**
- algal blooms
 - economic impact, Developing Countries 1311
 - environmental impact, Developing Countries 1311
 - environmental impact, Developing Countries 1311-1312, 1842
 - hatcheries, waste water, aerobic treatment 879
 - pig slurry, biological treatment 361
 - Aquaspirillum*, iron, uptake 2340
- Aquatic environment**
- carbon dioxide, assimilation, heterotrophic microorganisms, thiosulfates, effects 2373
 - Legionella pneumophila*, survival, temperature 1991
 - microbiology, reviews 826
- Aquatic plants**
- bioremediation, water pollution, heavy metals, India 2072
 - pig slurry, biological treatment 361
 - sewage, treatment, reviews 359
 - waste water treatment, reviews 359
- Aquifers**
- aromatic hydrocarbons, biodegradation, bacteria, bioremediation 1637
 - bioremediation, aerobic treatment, reviews 2060
 - genetically engineered microorganisms, release, survival, environmental impact, reviews 292
 - landfill leachates, pollution, bioremediation, reviews 2162
 - petroleum hydrocarbons
 - biodegradation
 - anaerobic conditions, iron, ligands 2276
 - reviews 1004
 - pollutants
 - microbial activities, reviews 2021
 - removal, bioremediation, aeration, bioventing 2078
 - pollution
 - bioremediation, reviews 847
 - microorganisms, acclimatization, bioremediation, reviews 848
 - petroleum hydrocarbons, bioremediation, aerobic conditions 2066
 - sewage effluent, recharge, irrigation, Israel 2333
 - sorption, *Bacillus subtilis*, plasmids, DNA, minerals 1140
 - trichloroethylene, biodegradation, *Pseudomonas cepacia* 2062
 - Arabinose, production, hemicelluloses, biodegradation, *Aspergillus awamori*, enzymes 427
- Archives**, photographs, conservation, restoration 1959
- Argentina**
- cheeses, *Yersinia enterocolitica* 729
 - meat products, *Yersinia enterocolitica* 729
- Arginine**
- biodegradation, *Carnobacterium* 1921
 - cheeses, *Clostridium botulinum*, toxins, production 781
- Argon**
- insects
 - chemical control
 - herbaria, biodeterioration 1363
 - museum specimens, biodeterioration 1363
 - museums, biodeterioration 1363
- Arid climate**, sewage, treatment, activated sludge, performance, United Arab Emirates 354
- Armenia**, herbicides, residues, biological activity in soil, effects 467
- Armillaria mellea**
- grape residues, fermentation, digestibility 944
 - orange peel, fermentation, digestibility 944
- Armillaria ostoyae**
- cellulose
 - biodegradation
 - carbon 982
 - nitrogen 982

- Armillaria ostoyae** cont.
lignin
biodegradation
carbon 982
nitrogen 982
- Aroclor**
biodegradation
polluted soils, bioremediation 1657
waste water, sewage, activated sludge 2305
- Aromatic acids**
biodegradation
organic sulfur compounds, production, anaerobes 2227
- Pseudomonas mira* 2204
effects, aromatic hydrocarbons, biodegradation, sediment, bacteria, USA 1009
- Aromatic compounds**
biodegradation
activated sludge, unacclimated, mathematical models 961
bacteria, salt tolerance 1573
fungi, reviews 411
petroleum, wastes 443
microbial degradation, groundwater, reviews 974
- Aromatic hydrocarbons**
biodegradation
aquifers, bacteria, bioremediation 1637
Azospirillum 959
bacteria 2273
Bradyrhizobium 959
denitrification, anaerobic conditions 452
kinetics, aquifers 1014
polluted soils, surfactants, effects 1002
Pseudomonas putida 1638
enzymes, genetic code 1640
genetics 1639
oxygenases, genetics 2277
reviews 451
Rhizobium 959
Rhodopseudomonas blasta 1630
Rhodospirillum rubrum 1630
sediment, bacteria, aromatic acids, effects, USA 1009
soil
bioreactors, USA, Minnesota 448
microorganisms, biomass, limitations 2286
polluted soils
bioremediation 2080, 2283
microorganisms, inoculation methods, bioremediation 2076
removal, polluted soils, gas production, bioremediation 1405
sediment, contamination, bioremediation, on-site, microbial flora, enhancement 1419
sludges, pulp mills, biodegradation, soil 2441
soil
contamination, bioremediation, nitrogen fixing bacteria 959
Germany 1015
- Arsenic**
inhibition, pentachlorophenol, biodegradation, *Flavobacterium* 1037
toxicity, microbial activities, denitrification, sediment 498
- Arsenobetaine**, microorganisms, suspended solids, marine environment 2209
- Arthrobacter**
amines, biodegradation 2212
chloroacetophenone, biodegradation 2220
- Arthrobacter oxydans*, plasmids, sterols, biodegradation 1562
- Arthrobacter cuboidea*, wood, decay, *Lentinula edodes*, cultivation, inhibition, Japan 1950
- Artificial wetlands**, heavy metals, uptake, *Phragmites australis*, *Schoenoplectus lacustris* 2360
- Arxula adeninivorans*
benzoates, biodegradation 455
phenols, biodegradation 455
- Ascochyta rabiei*, chickpeas, mycotoxins, production 1263
- Aspergillus**
aflatoxins
foods, contamination, control, acids 816
grain, contamination, control, acids 816
production, boric acid, inhibition 815
synthesis, molecular biology 1896
- Capsicum*, aflatoxins 59
cereals, mycotoxins 690, 702
control
grain legumes
seeds
microbial contamination
flavones 1306
isoflavones 1306
storage decay
flavones 1306
isoflavones 1306
- maize
storage decay
iprodione 1268-1269
thiabendazole 1269
- Docynia indica*, India 124
enzymes
millets, malting 1139
sorghum, malting 1139
feeds, contamination, immunoassay 670
foods, contamination, immunoassay 670
milk, Spain 195
mycotoxins
detection, bioassays 689
production
cereals
storage decay
thiophanate-methyl, control 819
thiram, control 819
- ochratoxins, production, culture media 75
pectins, biodegradation, enzymes 606
petroleum hydrocarbons, biodegradation, Indonesia 596
- pulp mill effluent
biodegradation
growth 1740
kinetics 1740
proteins, production, temperature 1739
- starch, sucrose, spoilage 1658
sulfite liquor
biodegradation
growth 1740
kinetics 1740
proteins, production, temperature 1739
- wheat straw, biodegradation, feeds, production, bioreactors, design 940
xytan, biodegradation, enzyme activity 436
- Aspergillus alliaceus*, plant residues, biodegradation, enzymes 993
- Aspergillus awamori*
enzyme activity, comparisons, xylan, biodegradation 1820
enzymes, arabinose, production, hemicelluloses, biodegradation 427
- Zymomonas mobilis*
immobilization
starch
utilization
ethanol 461
production 461
- Aspergillus candidus*
cereal grains, biological control 88
control, by *Pichia anomala* 88
- Aspergillus flavipes*
mycotoxins
production
cereals
storage decay
thiophanate-methyl, control 819
thiram, control 819
- Aspergillus flavus*
aflatoxins
fungicides 67
inhibition, cinnamon 60
production
boric acid, inhibition 815
- Aspergillus flavus* cont.
aflatoxins cont.
production cont.
detection 693
sodium chloride 76
bread, contamination, aflatoxins, production 713
- Capsicum*, aflatoxins 59
control, *Cyamopsis tetragonoloba*, seeds, essential oils, *Daucus carota*, India, Uttar Pradesh 1966
- Docynia indica*, India 124
feeds, Nigeria 79
ham, curing, microbial contamination 174
inhibition, *Rhizopus arrhizus*, bread 2004
maize, mycotoxins 707
milk, Spain 195
soybeans, storage decay, biological control, *Pichia guillermondi* 712
wheat, contamination, aflatoxins, production, Ukraine 69
- Aspergillus fumigatus*
feeds, Nigeria 79
ham, curing, microbial contamination 174
mycotoxins
production
cereals
storage decay
thiophanate-methyl, control 819
thiram, control 819
- pulp mill effluent, growth 1741
rice straw
utilization
cellulase 1590
xytanases 1590
sulfite liquor, growth 1741
xytan, biodegradation, enzyme activity 436
- Aspergillus nidulans*
hemicelluloses, biodegradation, enzymes, characterization 415
xytanase, production 598
- Aspergillus niger*
aluminium, bauxite, leaching 1068
control
packaging materials, plastic film, mangoes 131
pharmaceutical products, contamination, parabens 1343
preservatives
cosmetics, determination, efficiency 798
drugs, determination, efficiency 798
- Docynia indica*, India 124
feeds, Nigeria 79
ham, curing, microbial contamination 174
homophthalic acid, biodegradation 407
inhibition, by *Bacillus polymyxia* 1350
lignocellulose
biodegradation
India
gamma radiation 440
pretreatment 440
- methanol, utilization 2328
nickel, leaching 2459
olives, waste water, detoxification 365
palm fibre, saccharification 1610
palm kernel cake, saccharification 1610
production, starch, biodegradation, glucan 1,4- α -glucosidase 2312
starch, hydrolysis, amylases, production 460
- wheat straw, upgrading, ethanol production 948
whey, fermentation, citric acid, production 375
- wood
biodegradation
India
gamma radiation 440
pretreatment 440
- Aspergillus nomius*, maize, mycotoxins 707
- Aspergillus ochraceus*
control
jams
potassium sorbate 1915
sodium benzoate 1915
- ochratoxins, production, culture media 75

- Aspergillus oryzae**
glucan 1,4- α -glucosidase, production 1165
inhibition, cheeses, heat treatment 782
mussels, wastes, utilization, single cell protein, production 2160
xylan, biodegradation, enzyme activity 436
- Aspergillus parasiticus**
aflatoxins
production
 boric acid, inhibition 815
 detection 693
antifungal agents, assays 1390
Capsicum, aflatoxins 59
groundnuts
 contamination
 aflatoxins
 control, gamma radiation 718
 production, control, gypsum 717
liquorice, aflatoxins, Egypt 109
maize, mycotoxins 707
- Aspergillus sclerotiorum**, ochratoxins, production, culture media 75
- Aspergillus sulphureus**, ochratoxins, production, culture media 75
- Aspergillus sydowii**
lignocellulosic wastes, jute, utilization, enzymes, production 2242
xylanases 599
- Aspergillus terreus**, olive oil, wastes, biodegradation 1097
- Aspergillus ustus**, *Dacina indica*, India 124
- Aspergillus versicolor**, wood, decay, determination, assays 1948
- Atmosphere**, carbon dioxide, fixation, algae 2567
- Atrazine**, biodegradation, mycorrhizal fungi 2322
- Auricularia polytricha**, polychlorinated biphenyls, biodegradation 316
- Australia**
New South Wales
 pome fruits
 storage decay
 Penicillium expansum
 imazalil, tolerance 1291
 iprodione, tolerance 1291
 Penicillium solitum
 imazalil, tolerance 1291
 iprodione, tolerance 1291
South Australia, cooling towers, contamination, *Legionella* 238
Tasmania, nitrification, microorganisms, acid soils 497
beers, yeasts, specifications 1282
cereal grains, *Alternaria* 1267
foods, fungi, specifications 1231
fruit juices, yeasts, specifications 1282
meat products, contamination, *Listeria* 22
mushroom compost, production 896
pulp mill effluent, biological treatment, lagoons 523
toxins, production, dinophyta, marine environment 1391
wines, yeasts, specifications 1282
- Avocados**, postharvest decay, *Glomerella cingulata*, antifungal agents 1297
- Azo compounds**
biodegradation
 Flavobacterium, peroxidases, characterization 2214
 sludges
 aerobic digestion 2448
 anaerobic digestion 2448
 decolorization, *Rhodococcus* (bacteria), genetic engineering 1810
- Azospirillum**, aromatic hydrocarbons, biodegradation 959
- Azospirillum brasiliense**, polyhydroxybutyrate, biodegradation, rhizosphere 2308
- Azospirillum lipoferum**, isolation, growth, agricultural wastes, culture media 621
- Azotobacter**
4-chlorocatechol, biodegradation 1036
4-chlorophenol, biodegradation 1036
- Azotobacter chroococcum**, anaerobic digestion, pretreatment, olive oil, production, waste water 1722
- Azotobacter vinelandii**, beet molasses, utilization, polyhydroxylkanoate, production 2427
- Bacillus**
ammonium, assimilation, enzymes 1142
antibiotics, resistance, plasmids 576
bread, spoilage, differentiation, numerical taxonomy 1997
cellulases, production, detergents, efficiency 995
cultured milks, India 176
enzymes
 millets, malting 1139
 proteins, hydrolysis 1157
 sorghum, malting 1139
 glucans, biodegradation 1081
 mercury, resistance, plasmids 576
 microbiologically enhanced oil recovery 1622
 milk, microbial contamination 203
 organomericurial compounds, biodegradation, enzymes, heat resistance 2349
 petroleum hydrocarbons, utilization, surfactants, production 1622
 sulfur, uptake, benzene, tolerance, marine environment, Japan 2374
 surfactants
 oil refinery wastes, removal 1622
 sludges, removal 1622
 xyilan, biodegradation, enzymes, pH 2550
 xylanase 2508
- Bacillus cereus**
bactericides, resistance 1993
control, eggs, nisin 768
denitrification, nitric oxide, production 581
enterotoxins, biochemistry 1257
flours, contamination, Sicily 92
foodborne diseases 1856
grain crops, contamination, Sicily 92
toxins, production, prediction, models 678
- Bacillus circulans**
 β -amylase, production 462
antimicrobial properties 1350
inhibition, of *Micrococcus luteus* 1350
nickel, bacterial leaching, *Thiobacillus ferrooxidans*, *Bacillus licheniformis* 2459
- Bacillus coagulans**
spores
 age, heat resistance, *Plantago* 1295
 heat resistance
 foods
 pH 280
 water content 280
- Bacillus laevolacticus**
aggregates
 formation
 glucose, effects 2548
 pH, effects 2548
- Bacillus licheniformis**
milk, microbial contamination 203
nickel, bacterial leaching, *Thiobacillus ferrooxidans*, *Bacillus circulans* 2459
silica, bacterial leaching 1754
tomato juice
 growth 113
 temperature 113
- Bacillus macerans**
phenolic compounds, biodegradation, enzymes 2527
spores, age, heat resistance, *Plantago* 1295
- Bacillus megaterium**, milk, microbial contamination 203
- Bacillus polymyxia**
antimicrobial properties 1350
inhibition
 of *Aspergillus niger* 1350
 of *Escherichia coli* 1350
 of *Micrococcus luteus* 1350
 of *Pseudomonas aeruginosa* 1350
- Bacillus pumilus**, milk, microbial contamination 203
- Bacillus schlegelii**, sulfur, production 1074
- Bacillus stearothermophilus**
phenols, biodegradation, catechol, production, kinetics 2295
wood pulp
 biodegradation, xylanases 1604
- Bacillus stearothermophilus** cont.
wood pulp cont.
 decolorization, xylanases 1746
 xylose, utilization, xylanases, production 1604
- Bacillus subtilis**
 α -amylase, production, fermentation 571
antibiotics, production, genetic engineering 1144
biocides, injuries 1376
fatty acids, antifungal agents, production 248
milk, microbial contamination 203
plasmids, DNA, sorption, minerals, aquifers 1140
starch, amylase, production, polyethylene glycol 1044
surfactants, production, genetic engineering 1144
tomato juice
 growth 113
 temperature 113
- Bacillus thermoacidophilus**, cellulose, biodegradation, enzymes 439
- Bacteria**
acetonitrile, utilization, isolation 404
acidophilic
 biology, reviews 2533
 biotechnology, reviews 2533
 heavy metals, removal 2533
activated sludge, foaming, fatty acids, analysis 2128
adhesion
 meat, reviews 154
 stainless steel, disinfection, chlorine, bacterial count 801
sulfur, oxidation, sewage sludge 2364
suppression, surfaces, aquatic environment, biofouling, Russia 1965
- aerosols
 estimation 622
 sewage, treatment, workers, airborne infection 2038
- alachlor, decomposition, groundwater 843
- algae, water systems, biofouling 28
- amines
 production
 fish 749
 mackerels 749
- antibiotics, resistance, plasmids 10
- aromatic hydrocarbons
 biodegradation 2273
 aquifers, bioremediation 1637
 sediment, aromatic acids, effects, USA 1009
- assessment
 food contamination 20
 food hygiene 20
- biodegradation, bioremediation 1693
- biofilms
 activated sludge, microbial activities 2551
- sewerage, microbial activities 2551
- biomass, recovery, flocculation, polymers, cations 565
- carboxylic acids, biodegradation 2222
- cellulose, biodegradation, enzymes, reviews 1602
- cereal grains, contamination, food hygiene, reviews 668
- cheeses, biogenic amines, production 1334
- chemical agents, bioremediation 1693
- chlorinated hydrocarbons
 removal
 air pollution 1422
 waste gases 1422
- chromium, sorption 1684-1685
- coal
 depolymerization, reviews 2468
 solubilization, reviews 2467
- competition
 phosphates, removal, waste water, aerobic treatment 1091
- sulfates, removal, waste water, anaerobic treatment, bioreactors 1452
- control
 carbon dioxide
 food, contamination 1365
 water, contamination 1365

- Bacteria cont.**
- control
 - milk, bactofugation 184
 - pigmeat, contamination, vacuum packaging, cold storage 1925
 - temperature
 - salads
 - pasta, mayonnaise, contamination 721
 - poultry meat, mayonnaise, contamination 721
 - whey, bactofugation 184
 - copper, uptake, reviews 471
 - crude oil, biodegradation, screening 1182
 - cycling, iron 476
 - d-malic acid, production, reviews 1082
 - detergents, biodegradation 469
 - dimethylsulfoniopropionate, biodegradation, enumeration, Caribbean Sea 570
 - enteral feeding 18
 - Enterobacteriaceae, contamination, soil, composts, application to land 841
 - enzyme activity, detection 1828
 - enzymes
 - algaines, depolymerization, reviews 2539
 - denitrification 493
 - nitrates, reduction 493
 - Escherichia coli*, antibiotics, resistance, disinfectants, resistance 822
 - explosives, bioremediation 1693
 - fertilizers, oil spills, bioremediation, USA, Alaska 308
 - filamentous, succession, waste water treatment, nitrogen, phosphorus, removal, sewage sludge, characteristics 1697
 - fish
 - heat treatment, survival 745
 - histamine 746
 - fish farms, organic matter, biodegradation 1534
 - flours, contamination, food hygiene, reviews 668
 - foods, detection, flow cytometry 659
 - fruit, identification 118
 - fungi, comparison, coal, solubilization 1756
 - galactans, cell walls, composition, genera, identification 1801
 - genetically engineered microorganisms, release, soil, environmental impact 272
 - goat meat, drug resistance 751
 - gold, utilization, storage 1064
 - halophytes
 - industrial wastes
 - brine, biological treatment 2415
 - saline water, biological treatment 2415
 - heterotrophic microorganisms, thiosulfates, oxidation, enzymes 1077
 - identification
 - petroleum, oils, biodegradation 1007
 - transmission electron microscopy, sludges, granules, anaerobic digesters 854
 - immobilization, membranes, bioreactors, heavy metals, removal, waste water 2339
 - iron
 - metabolism, environment, acid 476
 - oxidation 470
 - Klebsiella*, antibiotics, resistance, disinfectants, resistance 822
 - lakes
 - iron, regulation, Sweden 2402
 - phosphorus, regulation, Sweden 2402
 - lignin
 - biodegradation
 - Chile 1597
 - reviews 1597
 - lignocellulosic wastes, biodegradation 2253
 - mercury, uptake, fresh water, USA 1681
 - metals, immobilization, reviews 578
 - methane
 - acetates, interspecies transfer, mathematical models 2281
 - oxidation, genetics, reviews 2500
 - Bacteria cont.**
 - methane production
 - denitrifying microorganisms, sludges, bioreactors, anaerobic conditions, relationships 330
 - dicarboxylic acids, biodegradation, anaerobic digestion 2203
 - landfills 936
 - phenolic compounds, biodegradation, anaerobic conditions 456
 - methanol, oxidation, genetics, reviews 2500
 - Methylosorus trichosporium*, adhesion, sand, bioremediation 859
 - methylotrophic, polyhydroxyalkanoate, production 2512
 - milk products
 - microbial contamination
 - Croatia 191
 - detection 201
 - DNA hybridization 201
 - DNA probes 201
 - polymerase chain reaction 201
 - mussels, food poisoning, reviews 288
 - naphthalene, biodegradation, genetics, polluted soils 2268
 - nitrates (esters), bioremediation 1693
 - nitrification, waste water, sewage sludge, characteristics 1705
 - nitroaromatics, bioremediation 1693
 - nitrogen, phosphorus, recycling, organic matter, particles, Japan 1700
 - oil fields, petroleum hydrocarbons, biodegradation, Russia, osmoregulation 2264
 - oil spills, biodegradation, estuaries, Canada 1008
 - oils, biodegradation, culture media 445
 - organic matter
 - biodegradation
 - water purification 29
 - water systems, distribution 29
 - organomercurial compounds, biodegradation, enzymes, heat resistance 2349
 - oxidation, isolation, activated sludge 2554
 - pesticides, biodegradation, soil 2323
 - petroleum, wastes, bioremediation 442
 - petroleum hydrocarbons
 - biodegradation
 - estuaries, Argentina 2278
 - marine environment, sodium chloride, effects 1634
 - surfactants, production, marine environment 2263
 - phosphate solubilizing microorganisms, rock phosphate, availability, soil, Thailand 566
 - phosphorus
 - dynamics, fresh water, sediment 2403
 - utilization, sediment 2398
 - pig slurry, health hazards 301
 - plasmids, waste water, detection 580
 - pollutants
 - biodegradation
 - isolation 1143
 - monitoring 1143
 - polluted soils, bioremediation 316
 - polychlorinated biphenyls
 - biodegradation
 - bioremediation 1649
 - rhizosphere 2300
 - polyhydroxyalkanoate
 - biodegradation
 - environment 2368
 - soil 2368
 - water 2368
 - chemistry, determination, nuclear magnetic resonance 2580
 - polyhydroxyalcanoic acids, molecular biology 2517
 - polyhydroxybutyrate, granules, structure, determination 2519
 - polysaccharides, metals, uptake 1071
 - production, polyhydroxybutyrate, physiology 2511
 - propionates, oxidation, biochemistry 1805
 - Proteus*, antibiotics, resistance, disinfectants, resistance 822
 - Bacteria cont.**
 - Pseudomonas aeruginosa*, antibiotics, resistance, disinfectants, resistance 822
 - pyrites
 - oxidation
 - methodology 532
 - ultraviolet spectroscopy 1075
 - quaternary ammonium compounds, biodegradation 469
 - removal
 - biological filtration, laboratory methods 613
 - sewage, treatment, ponds, Pakistan 1492
 - resistance
 - antibiotics, determination, sensors 2572
 - copper, reviews 471
 - salt tolerance
 - organic compounds, biodegradation 1573
 - reviews 2502
 - sardines
 - amines, contamination, control, sodium chloride 148
 - histamine, contamination, control, sodium chloride 148
 - seafoods, heat treatment, survival 745
 - shellfish, France 146
 - skeleton
 - mineralized
 - biodegradation
 - marine environment
 - aerobic conditions 2365
 - anaerobic conditions 2365
 - Staphylococcus aureus*, antibiotics, resistance, disinfectants, resistance 822
 - starch, biodegradation, enzymes 1045
 - streptothricin, resistance, genes, Netherlands 835
 - sulfur
 - biodegradation, isolation 484
 - removal, petroleum hydrocarbons 522
 - survival, soil, heavy metals, toxicity 300
 - thermal environments, reviews 2531
 - trichloroethylene, biodegradation, groundwater, characterization, USA, South Carolina 2541
 - vegetables, identification 118
 - vitamin B12, production, fish ponds, carp 2161
 - waste water treatment, phosphates, removal, enzymes 2540
 - water, viability, tetrazolium, reduction 1183
 - wood, biodegradation, wood preservation, reviews 1151
 - wood destroying fungi, interactions 1945
 - Bacterial count**
 - abattoirs, steam sterilization, Italy 1978
 - anchovies, histidine, production, quality, indexes, Spain 750
 - beef
 - abattoirs 161
 - Egypt 163
 - control
 - fish, carbon dioxide 1307
 - milk cooling, skim milk, milk hygiene, Italy 773
 - ewe milk, milking machines, sterilization, detergents 200
 - goat meat, India 153
 - groundwater, water quality, Italy 1401
 - meat, Egypt 159
 - meat products, Egypt 163
 - milk
 - determination 777
 - estimation 42, 194
 - milk products, Croatia 191
 - mineral waters, microbial contamination, assessment, Italy 666
 - pigmeat, India 167
 - psychrotrophic bacteria
 - milk, Italy 774
 - raw milk, Italy 774
 - rivers, water quality, regression analysis, Japan 1399
 - salads, lettuces, food processing 1303
 - vegetables, pickled, evaluation 1184
 - whey, determination 786

- Bacterial leaching**
- copper
 - Chile 248
 - scanning electron microscopy 615
 - sewage sludge, anaerobic digestion 2338
 - effects, sulfides, minerals, surfaces 479
 - heavy metals
 - genetic engineering 480
 - removal
 - sewage sludge 1070
 - pathogens, destruction 2342
 - Salmonella typhimurium*, destruction 2342
 - sludges
 - pathogens, destruction 2342
 - Salmonella typhimurium*, destruction 2342
 - removal + sewage sludge, stabilization, Algeria 2343
 - sewage sludge 2354
 - economic analysis 1676
 - Thiobacillus*
 - sewage sludge 472
 - mathematical models 473
 - iron 478
 - Thiobacillus*, carbon dioxide 2457
 - metals, genetic engineering 480
 - nickel, *Thiobacillus ferrooxidans*, *Bacillus circulans*, *Bacillus licheniformis* 2459
 - ores
 - heavy metals, India 2456
 - metals, India 2456
 - pyrites, *Thiobacillus*, carbon dioxide 2457
 - silica, *Bacillus licheniformis* 1754
 - sphalerite, pyrites, *Thiobacillus ferrooxidans* 2380
 - sulfides
 - Leptospirillum*, reviews 487
 - minerals, *Thiobacillus ferrooxidans* 1083
 - Thiobacillus*, reviews 487
 - Thiobacillus*, aluminium, bauxite 1068
 - zinc, sewage sludge, anaerobic digestion 2338

Bacterial spores, adhesion, surfaces, food, contamination, enhancement, reviews 1234

Bacterial toxins

 - Clostridium botulinum*, pollution, water-sheds, Japan 53
 - endotoxins, composting, percolates, contamination 1894
 - foods, detection, ELISA 2577
 - gram negative bacteria, structure activity relationships, determination, electron microscopy, reviews 1259
 - production
 - beef, *Escherichia coli*, immunoblotting 680
 - Salmonella typhimurium* 1212
 - Staphylococcus aureus*, food poisoning 1210
 - α-toxin, production, *Staphylococcus aureus* 1256
 - verocytotoxins, production, *Escherichia coli*, ground beef, contamination, Italy 54

Bactericides

 - resistance
 - Bacillus cereus* 1993
 - Pseudomonas aeruginosa* 1382
 - Pseudomonas stutzeri* 1993

Bacteriocins

 - beef, *Listeria monocytogenes*, inactivation 165
 - characterization, lactic acid bacteria, reviews 1373
 - lactacin F, production, *Lactobacillus johnsonii*, genetics 1807
 - lactic acid bacteria, genetics, reviews 1983
 - milk
 - pathogens, control 186
 - psychrotrophic bacteria, control 186
 - production
 - Carnobacterium piscicola* 1356
 - carnobacterium piscicola* 2553
 - lactic acid bacteria 242-243

Bacteriocins cont.

production cont.

 - lactic acid bacteria cont.
 - sausages, pathogens, control 1968
 - Lactobacillus casei* 1349, 2546
 - Lactobacillus plantarum* 1349
 - Lactococcus* 572

Bacteriology

 - drinking water, water quality, reviews 664
 - feeds
 - cassava
 - China 1265
 - Indonesia 1265

Bacteriophages

 - detection 1180
 - drinking water, detection 1178
 - prevention 1180
 - Staphylococcus aureus*, toxins, inhibition 269
 - waste water, enumeration 626

Bacterioides, starch, biodegradation, enzymes 1045

Bactofugation

 - milk, bacteria, control 184
 - whey, bacteria, control 184

Bagasse 997

Bakers' yeast

 - effluents, anaerobic digestion 1728
 - production, effluents, anaerobic digestion 2156

Bakery industry, pest control 35

Bakery products, pastry, contamination, fungi, reviews, Morocco 714

Baltic Sea, petroleum hydrocarbons, biodegradation 1012

Bananas

 - food processing wastes
 - fermentation
 - ethanol production 1721
 - lactic acid production 1721
 - volatile fatty acids, production 1721
 - postharvest decay, *Colletotrichum musae*, control, coating materials 1296

Bangladesh

 - vegetables
 - preservation
 - gamma radiation 119
 - lactic acid bacteria 119

Bank filtration

 - nitrilotriacetic acid, degradation, heavy metals, anaerobic treatment 1751
 - sorption, heavy metals, anaerobic treatment, nitrilotriacetic acid 1751

Barley

 - contamination
 - Fusarium culmorum*, mycotoxins, brewing quality 93
 - Gibberella zeae*, mycotoxins, brewing quality 93
 - moulds, determination 1878
 - ochratoxins, Germany 89
 - fungi, detection 1283
 - utilization, ethanol production, *Saccharomyces cerevisiae*, genetic engineering 2181
 - straw, biodegradation, fungi, algae, growth, inhibition 2560

Basidiomycetes

 - coal, solubilization, reviews 2467
 - lignin, biodegradation, laccase, characterization 2564

Bathing water, *Escherichia coli*, pathogens, identification, serotypes 663

Bauxite

 - aluminium
 - bacterial leaching, *Thiobacillus* 1068
 - leaching, fungi 1068

Beans

 - insect pests, control, irradiation, reviews 249
 - stored products pests, control, irradiation, reviews 249

Beef

 - bacterial count
 - abattoirs 161
 - Egypt 163
 - bacterial toxins, production, *Escherichia coli*, immunoblotting 680

Beef cont.

 - carcasses
 - meat hygiene, assessment 756
 - microbial contamination
 - control, hot water treatment 812
 - estimation 162
 - Clostridium laramie*, new species, taxonomy 164
 - cooked, vacuum packaging, *Listeria monocytogenes*, control, pasteurization 758

Enterobacteriaceae, phosphotransferases, antibiotics, resistance, genetics 1318

Escherichia coli, starvation, adhesion 1318

ground beef, contamination, verocytotoxins, production, *Escherichia coli*, Italy 54

Listeria monocytogenes

 - adhesion 757
 - cook-chill system, gamma radiation, growth 1922
 - growth
 - pH 160
 - temperature 160
 - inactivation
 - bacteriocins 165
 - lactic acid 165
 - inhibition, *Lactobacillus bavaricus* 1923
 - starvation, adhesion 1318
 - microwave cooking, *Enterococcus faecalis*, survival 755
 - minced, modified atmosphere storage, *Salmonella*, growth 1317
 - modified atmosphere storage, keeping quality 1236
 - packaging, poly(vinyl chloride), microbial contamination, culture media 753
 - salads, *Escherichia coli*, pH, temperature, acidulants 1924
 - Salmonella*, abattoirs 161
 - Salmonella typhimurium*
 - adhesion 757
 - starvation, adhesion 1318
 - vacuum packaging
 - keeping quality 1236
 - storage, Saudi Arabia 759
 - transport, Saudi Arabia 759
 - Vibrio cholerae*, survival 1203

Beers

 - Brettanomyces lambicus*, α-glucosidase, Belgium 2003
 - contamination, ochratoxins, Germany 722
 - fermentation, *Saccharomyces cerevisiae*, sulfur, volatile compounds 111
 - fungi, detection 1283
 - lactic acid bacteria, hops, acids, resistance 1912
 - microbiology 725
 - yeasts
 - Australia, specifications 1282
 - identification, culture media 1246

Beet molasses, utilization, polyhydroxyalcanoate, production, *Azotobacter vinelandii* 2427

Beet sugar

 - water
 - biogas, production, anaerobic digestion, Italy 518
 - biological treatment, activated sludge, Italy 518
 - Beijerinckia mobilis*, mercury, volatilization, enzymes 2350
 - Belarus, benzene, utilization, *Rhodococcus rhodochrous* 1636

Beignum

 - dairy wastes
 - biological treatment
 - aerobic conditions, reviews 515
 - anaerobic conditions, reviews 515
 - petroleum hydrocarbons, sludges, microbial degradation, application to land 1528
 - waste water treatment
 - nitrogen, removal 1085
 - phosphorus, removal 1085
 - Benin**, prepared foods, microbial contamination 728

- Benomyl**, microbial contamination, control, postharvest decay, *Manilkara zapota* 1294
- Bentonite**, additives, feeds, fish feeding, contamination, aflatoxins, inactivation 1264
- Benzene**
 - biodegradation
 - activated sludge, immobilization, calcium alginate 1558
 - denitrification, anaerobic conditions 452
 - Escherichia coli*, chromosome translocation, *Bacillus stearothermophilus* 2211
 - groundwater, Netherlands 1628
 - soil, microorganisms, biomass, limitations 2286
 - polluted soils, microorganisms, inoculation methods, bioremediation 2076
 - removal, groundwater, biological treatment, fluidized beds, granular activated carbon, oxygen, nutrients 1641
 - tolerance, sulfur, uptake, *Bacillus*, marine environment, Japan 2374
 - utilization
 - fungi, soil 2269
 - Rhodococcus rhodochrous*, Belarus 1636
- Benzozates**
 - biodegradation
 - Arxula adeninivorans* 455
 - Candida parapsilosis* 455
 - fungi, reviews 411
 - Pseudomonas aeruginosa* 2218
- Benzothiophene**, biodegradation, *Desulfovibrio desulfuricans*, alkanes 446
- Benzylformic acid**, reduction, *Streptococcus faecalis* 964
- Benzyl alcohol**, oxidation, *Pichia pastoris* 2325
- Beverages**
 - spoilage, yeasts, reviews 1913
 - vending machines, microbial contamination 667
- Bifidobacteria**, starch, biodegradation, enzymes 1045
- Bile pigments**
 - biodegradation
 - sewage
 - treatment
 - activated sludge, detection, HPLC 1775
 - septic tanks, detection, HPLC 1775
- Biochemical oxygen demand**
 - determination, sensors, microbial 1830
 - sewage, determination 1408
 - waste water, determination 1408
- Biochemicals**, production, biomass, utilization, microbial degradation 1543
- Biochemistry**, coal, upgrading, microbial degradation, reviews 2465
- Biocides**
 - Bacillus subtilis*, injuries 1376
 - cereals, mycotoxins, control 687
- Biodegradation**
 - bacteria, bioremediation 1693
 - biological fixed-film systems, anaerobes, growth 1454
 - books 2045, 2058, 2197, 2228-2239, 2607
 - inhibition, pollutants, sorption 2232
 - microorganisms
 - growth, kinetics, mathematical models, classification 2035
 - isolation 2587
 - suspended solids, marine environment 2209
 - pollutants
 - laboratory tests, reviews 2036
 - reviews 2235
 - reviews 852
 - soil, measurement, equipment 305
- Biodeterioration**
 - ancient monuments, reviews 1957
 - caves, reviews 1957
 - historic sites, reviews 1957
- Biofilms**
 - activated carbon, landfill leachates, organic compounds, removal, fluidized beds 322
 - adhesion, stainless steel, disinfection, chlorine, bacterial count 801
 - algae, bacteria, lagoons, sewage, treatment, nitrogen, removal 1708
 - bacteria
 - activated sludge, microbial activities 2551
 - sewerage, microbial activities 2551
 - biomass, stainless steel, biofouling, estimation 2578
 - bioreactors, performance, models 873
 - development
 - cast iron, water distribution, pipelines, temperature 1960
 - rotating biological contactors, sewage treatment 1526
 - efficiency, anaerobic treatment, equations 884
 - formation, microorganisms, adhesion, filters, materials, biological filtration 904
 - glucose, biodegradation, analysis 2088
 - inhibition, organic compounds, biodegradation, kinetics, mathematical models 406
 - kinetics, pH, models 320
- Legionella**
 - thermal spring water
 - Portugal, New Mexico 2014
 - USA, New Mexico 2014
- microorganisms**, composition, sewage, biological treatment, rotating biological contactors 1525
- nitrification**, bioreactors, packing, supports 882
- organic matter**
 - biodegradation, biological filtration 303
 - colloids, biodegradation, bioreactors, mathematical models, hydrolysis 2089
- starch**, biodegradation, analysis 2088
- sulfate reducing bacteria**, steel, corrosion 232
- Biofilters**, ammonia, removal, cattle slurry, composting 546
- Biofouling**
 - control, mussels, lakes, Canada 1362
 - Dreissena polymorpha*, dispersal 287
 - hydrogen sulfide, production, water supply 28
 - stainless steel, biofilms, biomass, estimation 2578
 - surfaces, aquatic environment, bacteria, adhesion, suppression, Russia 1965
 - water systems, algae, bacteria 28
- Biogas**
 - landfills, electricity, production, Spain 950
 - plant, design, India 1118
 - production
 - agricultural wastes, industrial wastes, anaerobic digestion 540
 - anaerobic digesters
 - design 954
 - India 953
 - anaerobic digestion
 - animal manures, industrial wastes, refuse, Denmark 1515
 - cattle slurry, grasses 548
 - animal manures
 - industrial wastes, bioreactors, design 394
 - sewage sludge, bioreactors, design 394
 - animal wastes
 - anaerobic digestion 544
 - Germany 388
 - bioreactors, design, Developing Countries 387
 - large farms, Germany 384
 - beet sugar, waste water, anaerobic digestion, Italy 518
 - cattle manure
 - anaerobic digestion 2481
 - biodegradation, anaerobic digesters, Switzerland 1516
- Biogas cont.**
 - production cont.
 - cattle manure cont.
 - dairy farms, anaerobic digestion 1765
 - cattle slurry
 - anaerobic digesters, design, India 2151
 - anaerobic digestion, temperature 1762
 - industrial wastes, anaerobic digestion 540
 - Chlorella vulgaris*, anaerobic digestion 2185
 - domestic gardens, plant residues, biodegradation, anaerobic digesters, Switzerland 1516
 - electricity, production, animal manures, abattoirs, anaerobic digestion, Senegal 952
 - farmyard manure, anaerobic digesters, design, Czech Republic 955
 - fruit, biodegradation, anaerobic digestion, Switzerland 1516
 - fuels, biotechnology, reviews 2190
 - landfill leachates, solid wastes, recycling 934
 - landfills
 - microbial activities 372
 - microbiology 372
 - reviews, Europe 562
 - mushroom compost, crop residues, anaerobic digestion 997
 - night soil, anaerobic digestion 1780
 - organic wastes
 - refuse, biodegradation, anaerobic digesters, operation 1514
 - upgrading 1532
 - pig slurry, industrial wastes, anaerobic digestion 540
 - poultry manure, anaerobic digestion 951
 - refuse
 - anaerobic digestion, bioreactors 1511
 - India 947
 - South Africa 947
 - sheep dung, anaerobic digestion 2479
 - slurries
 - anaerobic digesters
 - economics, Germany 389
 - operation, economics, Germany many 390
 - anaerobic digestion, Germany 388, 391
 - economic analysis 393
 - environmental impact 392
 - vegetables, biodegradation, anaerobic digestion, Switzerland 1516
 - waste disposal sites
 - microbial activities 372
 - microbiology 372
- Biogenic amines**
 - production
 - cheeses, bacteria 1334
 - meat, microbial flora, pH 155
- Biological activity in soil effects**
 - herbicides, residues, Armenia 467
 - soil pollution, heavy metals 298
 - metribuzin, residues, effects 1053
- Biological control**
 - apples, *Botrytis cinerea* 123
 - cabbages, *Botrytis cinerea* 140
 - Pichia guillermondi*, soyabeans, storage decay, *Aspergillus flavus* 712
 - sugarbeet, storage decay, Japan 103
 - winemaking, microbial contamination 110
- Biological filtration**
 - activated carbon, microorganisms, colonization, drinking water, treatment, France 2452
 - activated sludge, sewage, nitrification, USA 1086
 - air pollution, ammonia, pig housing 550
 - anaerobic conditions
 - mussels, cooking, factory effluents, biomass, characteristics 1473
 - olive oil, production, waste water treatment 504

Biological filtration cont.

- anaerobic conditions *cont.*
 - temperature, comparisons 899
 - carriers, anaerobic conditions, pig manure, methane production 887
 - chlorhexidine digluconate, removal, waste water, filters, media, poly (vinyl chloride) 347
 - comparisons, anaerobic conditions, olive oil, waste water, biological treatment 1718
 - dairy factories, waste water treatment, USA 1730
 - dairy industry, waste water, media, comparisons 2425
 - distillery effluent, anaerobic treatment 1517
 - laboratory methods, bacteria, removal 613
 - media, plastics, waste water treatment, organic matter, removal 348
 - microorganisms, adhesion, filters, materials, biofilms, formation 904
 - moisture, control, composting, sludges, odour abatement 2119
 - odour abatement 345
 - ammonia, pig housing 550
 - organic compounds, air pollution 2122
 - organic matter, biodegradation, biofilms 303
 - oxygen consumption 346
 - peat, *Thiobacillus thioparus*, night soil, gases, treatment 2493
 - pesticides, removal, wool production, waste water 2317
 - polluted water, bioremediation, mussels, lakes, Netherlands 1403
 - sand
 - coliform bacteria, removal, septic tank effluent 901
 - disinfection, silver, drinking water 530
 - septic tank effluent, treatment 901
 - waste water treatment, USA, reviews 900
 - sewage
 - nitrogen, removal 902
 - treatment
 - mathematical models 2123
 - water reuse, USA 344
 - treatment, parameters, sewage, nitrification, denitrification, Sweden 1704
 - waste gases, industrial wastes, treatment 502
 - waste water treatment
 - algae, removal 903
 - clay, removal 903
 - nitrogen, removal 902
 - Oscillatoria annae* 1472
 - phosphorus, removal 903

Biological fixed-film systems

- activated sludge, volatile compounds, inhibition, comparisons 1428
- anaerobic conditions
 - distillers' spent wash, methane production 386
 - drugs, production, waste water treatment, cobalt, application 520
- anaerobic treatment
 - bioreactors
 - sulfates, reduction, kraft mill effluent, thermomechanical pulping 1744
 - sulfites, reduction, kraft mill effluent, thermomechanical pulping 1744
 - kraft mill effluent, microbial flora, Sweden 1747
 - biodegradation, anaerobes, growth 1454
 - bioreactors, anaerobic conditions, carboxylic acids, manufacture, waste water, biological treatment 1737
 - chlorinated hydrocarbons, anaerobes, growth 1454
 - design 1435
 - ethanol, fermentation, *Saccharomyces cerevisiae*, carbon dioxide, production 1100
 - granular activated carbon, supports, bioreactors, herbicides, biodegradation 1668

Biological fixed-film systems cont.

- industrial wastes, effluents, biological treatment, preliminary 2096
 - models 326
 - nitrification 898
 - organic compounds, anaerobes, growth 1454
 - phenols, biodegradation, anaerobic conditions 2299
 - poly(vinyl chloride), biodegradation, anaerobic conditions 336
 - pulp mill effluent, thermomechanical pulping, treatment, Canada 1743
 - sewage, treatment, reviews 1434
 - supports, materials, waste water, anaerobic treatment, comparisons 2100
 - trichloroethylene, biodegradation, anaerobic treatment 1564
- Biological indicators**, water quality, rivers, sewage, pollution, faecal flora, USA 2015
- Biological treatment**
 - acid mine drainage, cellulosic wastes, utilization 1115
 - acrylates, production, waste water, activated sludge 968
 - activated sludge
 - cattle manure, nitrification, denitrification, Netherlands 545
 - detergents, production, waste water 2332
 - halogenated organic compounds, removal, pulp mill effluent 2442
 - agricultural wastes
 - biotechnology, Malaysia, reviews 1117
 - Malaysia, books 1620, 1686, 1748-1749, 1753, 1779, 1846
 - anaerobic digesters, amendments, microorganisms, cane sugar, production, waste water 519
 - animal wastes, utilization, books 645
 - beet sugar, waste water, activated sludge, Italy 518
 - bioreactors, membranes, waste water, petroleum 1736
 - brewery effluent, ponds 2145
 - carboxylic acids, manufacture, waste water, bioreactors, anaerobic conditions, biological fixed-film systems 1737
 - chlorophenols, biodegradation, fluidized beds, nitrate reduction 2302
 - colour
 - removal
 - kraft mill effluent 2437
 - pulp mill effluent 2437
 - combined, olive oil, mills, waste water 872
 - combustion, sewage sludge 881
 - comparisons, metal working fluids, biodegradation 2475
 - costs, landfill leachates 876
 - dairy effluent, ponds 2145
 - dairy wastes
 - aerobic conditions, reviews, Belgium 515
 - anaerobic conditions, reviews, Belgium 515
 - reviews 513
 - denitrification, nitrates, removal, drinking water 1873
 - dyes, industrial wastes, phenolic compounds, biodegradation 319
 - effluents, wastes, recycling, filtration 1425
 - flax, retting, waste water 1111
 - fluidized beds
 - chemical industry, waste water 1735
 - granular activated carbon
 - benzene, removal, groundwater, oxygen, nutrients 1641
 - toluene, removal, groundwater, oxygen, nutrients 1641
 - xylene, removal, groundwater, oxygen, nutrients 1641
 - food industry, waste water, India 503
 - fungi
 - waste water, books 642
 - wastes, books 642
 - gases, lignocellulose, ethanol production 986
 - groundwater, denitrification 1707
 - hazardous wastes, books 1200
 - heavy metals, removal, industrial wastes 2456
 - hydrocarbons 447
 - industrial wastes
 - books 1200
 - brine, bacteria, halophytes 2415
 - Malaysia, books 1620, 1686, 1748-1749, 1753, 1779, 1846
 - saline water, bacteria, halophytes 2415
 - waste water, heavy metals, recovery, reviews 381
 - kraft mill effluent
 - anaerobic digestion 875
 - lagoons 875
 - Phanerochaete chrysosporium* 875
 - rotating biological contactors 875
 - landfill leachates 1535
 - activated sludge, aeration, design 910
 - economics, Germany 935
 - Germany, reviews 2165
 - metals, removal, industrial wastes 2456
 - metalworking, waste water, bioreactors, membranes 1758
 - nitrogen, removal, landfill leachates, USA 1699
 - olive oil
 - production, waste water, *Phanerochaete chrysosporium* 1095
 - waste water
 - anaerobic conditions
 - biological filtration, comparisons 1718
 - bioreactors, comparisons 1718
 - reviews 1719
 - organic compounds
 - agricultural wastes 973
 - explosives 973
 - ozonation, drinking water, organic compounds, removal 1223
 - palm oil mill effluent, Malaysia 1724
 - petroleum hydrocarbons, application to land, Venezuela 929
 - phenolic compounds, biodegradation, Kraft mill effluent, *Lentinus edodes* 1742
 - phosphates, removal, waste water, reviews, Germany 2406
 - phosphorus
 - removal
 - landfill leachates, USA 1699
 - sludges, conditioning 2410
 - waste water 2409
 - pig manure, wastes, treatment, reviews, Netherlands 2483
 - pig slurry
 - aquaculture 361
 - aquatic plants 361
 - piggery effluent, activated sludge, aeration, continuous, intermittent, comparisons, Taiwan 1771
 - ponds
 - dairy wastes 1102
 - halogenated organic compounds, removal, pulp mill effluent 2442
 - rubber industry, effluents, algae 1114
 - waste water, Cape Verde 382
 - poultry manure, environmental factors, UK 553
 - preliminary, industrial wastes, effluents, biological fixed-film systems 2096
 - processes, equations, landfill leachates, Germany 1426
 - pulp and paper industry
 - bleaching, reviews 524
 - wastes, reviews 525
 - pulp mill effluent
 - activated sludge 1476
 - lagoons
 - aeration, Canada 526
 - Australia 523
 - refuse, anaerobic digesters 1513
 - rubber industry, wastes, Malaysia 1753
 - sewage 1427

Biological treatment cont.

sewage cont.
activated sludge
Escherichia coli, genetically engineered microorganisms 2141
Pseudomonas putida, genetically engineered microorganisms 2141
Antarctica 324
bioreactors, anaerobic conditions, aerobic conditions, design 1430
nitrogen, removal, Norway 2389
ponds 2145
Eichhornia crassipes 2569
reviews 323
rotating biological contactors
 biofilms, microorganisms, composition 1525
 design 922
sewage sludge
 carbon dioxide, emissions, USA, New Hampshire 2135
 methane, emissions, USA, New Hampshire 2135
slurries, nitrogen, losses 1761
sugarcane bagasse, wood destroying fungi 2426
textile industry
 waste water, Malaysia 1749
wastes, Malaysia 1748
triazine herbicides, biodegradation, waste water 1665
vehicles, production, waste water, activated sludge, Egypt 535
waste water
 reviews 323
 water reuse, agriculture, Cape Verde 382
waste water treatment 327
wastes

Biology

bacteria, acidophilic, reviews 2533
reviews, anaerobes, environment, stress 1163

Biomass

biodeterioration control
 preservatives 538
 silage making 538
characteristics, mussels, cooking, factory effluents, biological filtration, anaerobic conditions 1473
increase
 ultrafiltration
 waste water
 aerobic treatment 2085
 anaerobic treatment 2085
production, feeds, piggery effluent, treatment, algae, macrophytes 2174
recovery
 algae, flocculation, polymers, cations 565
 bacteria, flocculation, polymers, cations 565
utilization
 biochemicals, production, microbial degradation 1543
 chemicals, production, microbial degradation 1543
 energy, production, Germany 1554
Eucalyptus saligna, energy, production, economic analysis, models 1555
 plastics, production, microbial degradation 1543
 reviews 634

Biopulping, wood chips, *Ophiostoma piliferum* 1745

Bioreactors
Aacetobacter, assays, mathematical models 589
activated carbon, anaerobic treatment, dyes, removal, pulp mill effluent 2443
aerobic treatment
 landfill leachates, Sweden 371
 o-cresol, biodegradation 1032
 phenols, biodegradation 1032

Bioreactors cont.

algae, bacteria, clay, waste water treatment, mathematical models 1491
ammonia, determination 1833
anaerobes, granules, growth, substrates, effects 1506
anaerobic conditions
 aerobic conditions, sewage, biological treatment, design 1430
 biological fixed-film systems, carboxylic acids, manufacture, waste water, biological treatment 1737
kinetics
 carbon dioxide, fermentation, methane production 385
 hydrogen, fermentation, methane production 385
 sludges, denitrifying microorganisms, bacteria, methane production, relationships 330
anaerobic treatment
 aerobic treatment, denitrification, water purification, aquaculture 2394
 cheesemaking, waste water, chemical oxygen demand, removal 1731
 chlorophenols, removal, waste water 1648
 distillery effluent, control 1518
 granules
 formation
 Methanosparsina 1445
 Methanothrix 1445
 landfill leachates 1453
 maize, milling, effluents 2419
 methane production, sewage, Japan 1447
 nitrates, removal, groundwater 2454
 performance 1438
 phosphorus, removal, sewage 2407
 refuse, humus, production 1456
 sewage
 Brazil 1448
 Colombia 1449
 microorganisms, carbon dioxide, production, monitoring 1437
 Netherlands 1450
 shock loadings, effects 1444
 sulfates, removal, waste water, bacteria, competition 1452
 thermophilic bacteria, granules, growth 2102
 waste water, microorganisms, carbon dioxide, production, monitoring 1437
aromatic hydrocarbons, biodegradation, soil, USA, Minnesota 448
bacteria, immobilization, membranes, heavy metals, removal, waste water 2339
biogas, production, refuse, anaerobic digestion 1511
biological fixed-film systems, granular activated carbon, supports, herbicides, biodegradation 1668
cannery effluent, anaerobic treatment 2090
Chlorella, immobilization, waste water, mercury, removal 2348
chlorinated aliphatic compounds, biodegradation, anaerobic treatment 1632
chlorinated hydrocarbons, biodegradation, anaerobic treatment 1632
coal mine spoil, sulfur, removal, coal, microorganisms 2460
comparisons, anaerobic conditions, olive oil, waste water, biological treatment 1718
control, fermentation products, mathematical models 508
design
 activated sludge, petroleum, production, waste water, biodegradation 2431
 animal manures
 industrial wastes, biogas, production 394
 sewage sludge, biogas, production 394

Bioreactors cont.
design cont.
 animal wastes, biogas, production, Developing Countries 387
 comparisons, kraft mill effluent, anaerobic treatment 1440
 ethanol production 926
 evaluation, waste water, anaerobic treatment 331
 lignocellulosic wastes, hydrolysis, enzymes 430
 phenols, biodegradation, activated sludge 908
 sewage, treatment 2098
 sodium anthraquinone-2-sulfonate, biodegradation, activated sludge 908
 waste water treatment
 activated sludge 357
 chemical industry 1105
 sulfur, removal, sulfur oxidizing bacteria 1692
 wheat straw, biodegradation, feeds, production, *Aspergillus* 940
drinking water
 nitrogen, removal, *Phormidium laminosum* 2455
 phosphorus, removal, *Phormidium laminosum* 2455
enzymes, immobilization 2158
ethanol production
 cassava starch
 saccharification
 fermentation
 Rhizopus 1659
 Saccharomyces cerevisiae 1659
 Saccharomyces cerevisiae, cells, immobilization, carriers, plant residues 1612
fluidized beds
 anaerobic conditions, paper, wastes, processing, waste water treatment 2445
 coal, liquification, hydrodynamics 2462
 denitrification, drinking water 2099
 glutamine, determination 1833
 groundwater, pollution, waste gases, bioremediation 307
iron, oxidation, *Thiobacillus ferrooxidans* 1062
isobutane, biodegradation, microorganisms 1623
landfill leachates, treatment, nitrification, design 2163
lignin
 biodegradation
 sugarcane bagasse
 fermentation
 Pleurotus cornucopiae 1733
 Pleurotus florida 1733
membranes
 biological treatment, waste water, petroleum 1736
 3-chloronitrobenzene, biodegradation, microorganisms 2430
metalworking, waste water, biological treatment 1758
nitrobenzene, biodegradation, microorganisms 2430
methane production, algae, fermentation 956
microbial contamination, control, fermentation products 1729
microorganisms, immobilization, biofilms, waste water treatment, reviews 2086
moving beds
 sewage effluent, nitrification 2396
 waste water, nitrification 2396
municipal solid wastes, composting 1129
nitrogen, removal, sewage, Sweden 489
operation
 oxygen, xanthan, production, *Xanthomonas campestris* 2524
parameters, ice cream, production, waste water, anaerobic treatment 1510

Bioreactors *cont.*

- organic compounds, polyanyl, biodegradation, polluted soils 2081
- organic matter, colloids, biodegradation, biofilms, mathematical models, hydrolysis 2089
- packing, supports, nitrification, biofilms 882
- pentane, biodegradation, microorganisms 1623
- performance
 - anaerobic treatment, sewage, India 1446
 - biofilms, models 873
 - sludges, anaerobic treatment 1442
- phenols, biodegradation 1027
- phosphates, uptake, *Phormidium lamnosum* 1092
- phosphorus, removal, sewage, Sweden 489
- pulp mill effluent, activated sludge, Canada, Alberta 1108
- refuse, composting 1129
- sewage sludge, aerobic treatment, design 2092
- slaughterhouse waste, anaerobic treatment, bamboos, supports 2159
- soil
 - 4-chlorophenol, biodegradation, bioremediation 865
 - microorganisms, bioremediation 869
- substrates, biodegradation, dynamics, anaerobic treatment, mathematical models 335
- supports
 - clay, olives, processing, waste water, anaerobic digestion 2416
 - organic compounds, slaughterhouse waste, anaerobic treatment 2478
- trichloroethene, biodegradation, *Methylosinus trichosporum*, methane monooxygenase, enzyme activity 1800
- trichloroethylene, biodegradation 398
- urea, hydrolysis, anaerobic treatment 1439
- volatile fatty acids, anaerobic digestion, temperature 917
- waste water treatment, *Rhodopseudomonas palustris* 328

Bioremediation

- aerobic conditions
 - petroleum hydrocarbons
 - aquifers, pollution 2066
 - groundwater, pollution 2066
 - aerobic treatment
 - aquifers, reviews 2060
 - polluted water, reviews 2060
- air pollution 1623
 - biotechnology, reviews 1429
- anaerobic conditions
 - petroleum hydrocarbons, groundwater, pollution 2070
 - solvents, chlorinated, environment, reviews 2056
- anaerobic treatment, pollution, reviews 2048
- aquatic plants, water pollution, heavy metals, India 2072
- aquifers
 - pollution
 - microorganisms, acclimatization, reviews 848
 - reviews 847
 - Aroclor, biodegradation, polluted soils 1657
 - aromatic hydrocarbons
 - biodegradation, aquifers, bacteria 1637
 - polluted soils 2080, 2283
 - microorganisms, inoculation methods 2076
 - removal, polluted soils, gas production 1405
 - soil, contamination, nitrogen fixing bacteria 959
 - biodegradation, bacteria 1693
 - bioreactors, soil, microorganisms 869
 - books 2045, 2058, 2197, 2228-2239, 2607
 - chemical agents, bacteria 1693

Bioremediation *cont.*

- chlorinated hydrocarbons, environment, reviews 2068
- 4-chlorophenol, biodegradation, bioreactors, soil 865
- deserts, cyanobacteria, green manures, reviews 317
- diesel oil
 - biodegradation
 - polluted soils, aeration 1627
 - soil, microbial flora, groundwater level 1003
 - polluted soils 871
- efficiency, monitoring 2053
- enhancement, groundwater, pollution, pollutants, binding, substrates 2075
- environment, microorganisms, reviews 2057
- environmental legislation, USA 2052
- environmental pollution, reviews 868
- explosives, bacteria 1693
- genetically engineered microorganisms 1840
- groundwater
 - denitrification 1707, 2073
 - Germany, reviews 2063
 - pollution
 - biotechnology 2047
 - books 2056-2057, 2064-2071, 2078
 - petroleum, Poland 1414
 - waste gases, bioreactors 307
 - hazardous wastes sites, reviews 2079
 - hexadecane, polluted soils 871
 - hydrocarbons
 - biodegradation, soil, composts 978
 - polluted soils 870
 - soil 1016
 - irrigation water, nitrates, denitrification, USA 860
 - landfill leachates, pollution, aquifers, reviews 2162
 - landfills
 - ethylene, mycorrhizal fungi 2164
 - methane, mycorrhizal fungi 2164
 - legislation, USA, Canada 2049
 - Methylosinus trichosporum*, adhesion, sand 859
 - microorganisms 2054
 - reviews 2046
 - nitrates (esters), bacteria 1693
 - nitroaromatics, bacteria 1693
 - oil spills
 - polluted soils, Antarctica 863
 - reviews 857
 - Canada 1412
 - USA 1618
 - on-site
 - aromatic hydrocarbons, sediment, contamination, microbial flora, enhancement 1419
 - trichloroethylene, sediment, contamination, microbial flora, enhancement 1419
 - organic compounds, polluted soils, sand 977
 - organophosphorus pesticides, biodegradation, parathion hydrolase, immobilization, sponges 1666
 - petroleum hydrocarbons
 - biodegradation
 - analysis, gas chromatography, mass spectrometry 2267
 - environment, microorganisms, Israel 1619
 - polluted soils, aeration 1626
 - groundwater, pollution, air, injection 2067
 - polluted soils 2055, 2065
 - polluted water 2065
 - phenolic compounds, polluted soils, microbial flora 1035
 - phenols, soil, contamination, nitrogen fixing bacteria 959
 - pollutants, removal, aquifers, aeration, bioventing 2078
 - polluted soils 862
 - assessment 864
 - bacteria 316
 - biotechnology 2047
 - soil
 - contamination
 - fuel oils 1420
 - petroleum, pulverization 315
 - petroleum hydrocarbons, mathematical models 861
 - waste disposal, books 644
 - degradation, legumes, nitrogen fixation 1421
 - soil pollution
 - monitoring 866
 - petroleum hydrocarbons, reviews 1418
 - solvents
 - chlorinated, biodegradation, groundwater, aeration, bioventing 2069
 - polluted soils 2065
 - polluted water 2065
 - techniques
 - hydrocarbons, polluted soils 1018
 - polluted soils 2077
 - pollution, reviews 2058
 - triazines, groundwater, Germany 1058
 - water pollution, reviews 2061
 - zinc, removal, clay, *Thiobacillus* 1073
 - Biosafety
 - genetically engineered microorganisms, environment 826
 - pathogens, handling, laboratories 658
 - Biosensors, bacteria, preservation 2043
 - Biosurfactants, production, olive oil, production, effluents, upgrading 378
 - Biotechnology
 - agricultural wastes, biological treatment, Malaysia, reviews 1117
 - air pollution, bioremediation, reviews 1429
 - anaerobes, reviews 2537
 - application, environment, books 2606
 - bacteria, acidophilic, reviews 2533
 - biogas, production, fuels, reviews 2190
 - coal, solubilization, microorganisms 1757
 - foods, safety 657
 - genetically engineered microorganisms, reviews 1132
 - groundwater, pollution, bioremediation 2047
 - heavy metals, uptake, microorganisms, reviews 2536

- Biotechnology** cont.
- hydrogen, production, fuels, reviews 2190
 - lignocellulosic wastes, utilization, reviews 1605
 - methane production, fuels, reviews 2190
 - microbial degradation, water, treatment 2450
 - microbiologically enhanced oil recovery, reviews 1132
 - microorganisms
 - environment, alkaline, enzymes, reviews 2534
 - reviews 1138
 - saline 2532 - polluted soils, bioremediation 2047
 - potential, microorganisms, cold adapted, properties, reviews 2552
 - psychrophilic bacteria 2535
 - psychrotrophic bacteria 2535
 - radionuclides, uptake, microorganisms, reviews 2536
- Black Sea**, algal blooms, *Exuviaella cordata*, toxicity 1919
- Blattaria**, vectors, pathogens, Enterobacteriaceae, human health 2011
- Bogs**, peat, biodegradation, methane production 1133
- Books**
- agricultural wastes
 - anaerobic treatment, Malaysia 1724
 - biological treatment, Malaysia 1620, 1686, 1748-1749, 1753, 1779, 1846 - animal production
 - pollution 645
 - waste water, environmental impact 645
 - wastes, environmental impact 645 - animal wastes
 - application to land, environmental impact 635
 - composting, environmental impact 635
 - handling, economics 635
 - utilization, biological treatment 645 - biodegradation 2045, 2058, 2197, 2228-2239, 2607
 - bioremediation 2045, 2058, 2197, 2228-2239, 2607
 - biotechnology, application, environment 2606
 - cereals, mycotoxins 688, 690-691, 702-703
 - coal, upgrading, microorganisms 2464-2473
 - environmental impact
 - assessment
 - waste disposal 2012
 - waste water treatment 2012
 - wastes, management 2496 - feeds, contamination, aflatoxins 645
 - food preservatives, production, microorganisms 1201
 - fungi
 - waste water, biological treatment 642
 - wastes, biological treatment 642 - genetically engineered microorganisms
 - release
 - environment
 - ethics 639
 - guidelines 1847
 - environmental impact 640-641 - groundwater pollution
 - bioremediation 2056-2057, 2064-2071, 2078
 - microbiology 2018-2026, 2223
 - hazardous wastes, biological treatment 1200 - industrial wastes
 - anaerobic treatment, Malaysia 1724
 - biological treatment 1200
 - Malaysia 1620, 1686, 1748-1749, 1753, 1779, 1846
 - pollution, monitoring 2601
 - lactic acid bacteria
 - biotechnology 1844
 - genetics 1844 - microbial contamination, air spora, reviews 1955

Books cont.

 - microorganisms
 - release, environment, survival, statistical analysis 643
 - survival, hostile environments 2530-2537 - monuments, lichens, Italy 1845
 - mycotoxins, cereals 687, 689, 700, 708, 1197
 - pathogens, water, reviews 1864
 - polluted soils, bioremediation 2056-2057, 2064-2066, 2068, 2079
 - pollution, bioremediation 2036, 2046-2049, 2059-2061, 2074, 2602
 - polymers, biodegradation, reviews 1021-1022
 - refuse, management 2604
 - sanitation, development 1198
 - sewage, management 2604
 - sewage sludge, management 2604
 - sludges, management 2604
 - waste disposal, bioremediation, soil 644
 - waste water, management, coastal areas, USA 2600
 - water, analysis 1199
 - water management, politics 2027
 - water quality, microbiology, standards 646
 - water resources, politics 2027
 - yeasts, technology 1876, 1913, 2562, 2603

Borates

 - wood preservation
 - timbers
 - Coptotermes formosanus*, control 231
 - termites, control 231

Botryodiplodia theobromae, control, packaging materials, plastic film, mangoes 131

Botrytis cinerea

 - apples, biological control 123
 - biological control
 - by *Pseudomonas* 140
 - by *Pseudomonas cepacia* 103
 - by *Serratia* 140
 - by yeasts 123 - cabbages, biological control 140
 - Candida sake*
 - antagonism
 - apples
 - postharvest decay 127
 - storage decay 127 - Candida tenuis*
 - antagonism
 - apples
 - postharvest decay 127
 - storage decay 127 - carrots, postharvest decay, induced resistance 1300
 - control
 - apples, storage decay, *Sporobolomyces roseus* 1292
 - celery
 - storage decay
 - iprodione, Israel 1304
 - thiabendazole, Israel 1304 - cut flowers, detection, monoclonal antibodies 1305
 - kiwi fruits, controlled atmosphere storage 129
 - Limonium peregrinum*, storage decay 744
 - sugarbeet, biological control, Japan 103
 - tomatoes, postharvest decay, control, heat treatment 741

Bottled water

 - contamination, *Aeromonas hydrophila*, analytical methods, development, Canada 1222
 - microbial flora, reviews 1869

Bradyrhizobium, aromatic hydrocarbons, biodegradation 959

Bradyrhizobium japonicum, hydrogen, oxidation, soil 2363

Brazil

 - Minas Gerais, water quality, indicator species 294
 - Rio de Janeiro, cheeses, *Yersinia* 784
 - Sao Paulo, groundnuts, aflatoxins 719
 - glucose, biodegradation, microbial flora, soil 1571

Brazil cont.

 - groundnuts, contamination, aflatoxins 1909
 - refuse, vermicomposting, application to land, soil properties, improvement 339
 - reservoirs, eutrophication, mathematical models, phosphorus, algal blooms, estimation 1714
 - sewage, bioreactors, anaerobic treatment 1448
 - vinasse, sugarcane, biodegradation, anaerobic digesters, design 1512
 - waste water, anaerobic treatment, fluidized beds, performance 1451
 - wastes, vermicomposting, application to land, soil properties, improvement 339

Bread

 - contamination, aflatoxins, production, *Aspergillus flavus* 713
 - Rhizopus arrhizus*, *Aspergillus flavus*, inhibition 2004
 - spoilage, *Bacillus*, differentiation, numerical taxonomy 1997

Breadmaking, microbial flora, interactions, fermentation 1273

Brettanomyces lambicus, beers, α -glucosidase, Belgium 2003

Brevibacterium, adiponitrile, biodegradation, adipic acid, production, mutants 1791

Brewers' yeast, utilization, earthworms, feeds 941

Brewery effluent

 - anaerobic digesters, hydraulic overload, kinetics 2153
 - anaerobic digestion, biochemistry 1725
 - biological treatment, ponds 2145
 - waste water treatment, anaerobic digesters, microbiology 506

Brewing, microbiology 725

Brine

 - cheeses, manufacture, microbial contamination, Brazil 1940
 - industrial wastes, biological treatment, bacteria, halophytes 2415
 - sauerkraut, enzymes, production, *Geotrichum candidum* 1096

Broccoli, microorganisms, modified atmosphere storage, temperature 743

Brochothrix

 - foods, detection 1218
 - meat, detection 1218

Brucella

 - milk products
 - microbial contamination
 - detection 201
 - DNA hybridization 201
 - DNA probes 201
 - polymerase chain reaction 201

Buffalo milk, *Staphylococcus aureus*, identification, rapid methods 1331

Buildings, *Serpula lacrimans*, control 236

Butanediol, production, *Eichornia crassipes*, *Klebsiella oxytoca*, methodology 1591

Butanol, production, molasses, fermentation, *Clostridium*, immobilization, alginates 1544

Butter, *Yarrowia lipolytica*, characteristics, discriminant analysis 1215

Butyl benzyl phthalate, biodegradation, environment, evaluation, microcosms, design 1411

Butylate, residues, soil, biodegradation, microbial activities 468

Butyrivibrio, biodegradation, methanogenic bacteria, mathematical models 2210

Butyrivibrio fibrisolvens

 - enzymes
 - cellulose, biodegradation 579
 - xylan, biodegradation 579

Byproducts, production, disinfection, drinking water, pathogens, removal, USA 1980

Byssochlamys nivea, grape juice, heat resistance 1285

Cabbages, *Botrytis cinerea*, biological control 140

- Cadmium**
removal
 Chlorella fusca 1678
 industrial wastes
 waste water
 Fucus serratus 1065
 Laminaria digitalis 1065
 polluted soils, *Pseudomonas* 1682
 polluted water, *Pseudomonas* 1682
 waste water, microorganisms 2334
 water, microorganisms 2334
 wetlands, artificial, *Taxodium ascendens* 1498
sorption, *Trichoderma harzianum* 481
toxicity, bacteria, survival, soil 300
uptake
 marine environment, *Microcystis pyriformis* 1061
 plants, bioremediation, polluted soils 867
Rhizophorus arrhizus, immobilization 1181
- Caesium**, removal, waste water treatment, activated sludge 1066
- Calcium carbonate**, coccoliths, algae, separation 2568
- Calcium oxalate**, patinas, stonework, microorganisms 1962
- Caldariomyces fumago**, enzymes, petroleum, upgrading 1734
- Caldocellum saccharolyticum**, cellulose, biodegradation, sugar, production 1585
- Callosobruchus maculatus**
cowpeas 1271
grain legumes
 insect pests 699
 stored products pests 699
oviposition, cowpeas, pods, resistance, storage 1905
- Callosobruchus subinnotatus**, controlled atmospheres, inert gases, groundnuts, stored products pests 1973
- Cameroon**, schistosomiasis, control, drainage 286
- Campylobacter**
chicken meat, contamination, detection, DNA probes 182
control, pigmeat, contamination, vacuum packaging, cold storage 1925
detection
 water supply
 contamination
 dairy industry 27
 milk production 27
foods, contamination, detection 190
milk products, contamination, detection 190
 surface water, Norway 266
- Campylobacter coli**, cultures, Canada 616
- Campylobacter jejuni**
cultures, Canada 616
eggs
 contamination 183
 Egypt 179
foods, contamination, detection, culture media, agar, comparisons 1254
oysters, food poisoning, USA 747
- Canada**
British Columbia
 carrots, *Thielaviopsis basicola* 137
 sewage sludge, aerobic digestion, design 1433
- Ontario
 air pollution, organochlorine compounds 1404
 composting, latrines 889
 lichens, organochlorine compounds 1404
- Quebec
 pulp mill effluent, thermomechanical pulping, treatment, biological fixed-film systems 1743
 sewage sludge, fertilizers, forests, reviews 561
- Alberta, pulp mill effluent, activated sludge, bioreactors 1108
- bottled water, contamination, *Aeromonas hydrophila*, analytical methods, development 1222
- Canada** cont.
drinking water
 contamination, *Aeromonas hydrophila*, analytical methods, development 1222
 odours, Actinomycetales 1871
feeds, mycotoxins, reviews 77
lignocellulosic wastes, biodegradation, fuels, reviews 987
- mussels, biofouling, control, lakes 1362
- oil spills
 biodegradation, bacteria, estuaries 1008
- bioremediation, reviews 1412
- pulp mill effluent
 biological treatment, lagoons, aeration 526
- sulfites
 aerobic treatment 527
 anaerobic treatment 527
- refuse, composting, legislation, reviews 1462
- shellfish, *Placopecten magellanicus*, food poisoning, *Dinophysis norvegica*, toxins 1917
- uranium
mine tailings
 effluents
 heterotrophic microorganisms, temperature, effects 1755
 Thiobacillus ferrooxidans, temperature, effects 1755
- wood preservation, wood destroying fungi, control, standards 230
- Candida**
biological control, of *Botrytis cinerea* 123
inactivation, ozone 820
survival, jams, preservation, pressure treatment 1357
triacylglycerol lipase
 fatty acid esters, production 1173
 surfactants, production 1173
- Candida albicans**
control
 pharmaceutical products, contamination, parabens 1343
 preservatives
 cosmetics, determination, efficiency 798
 drugs, determination, efficiency 798
 lignin, biodegradation, enzymes 983
- Candida antarctica**
lipids, production 1174
surfactants, production 1174
- Candida boidinii**, polychlorinated biphenyls, biodegradation 316
- Candida cylindracea**, triacylglycerol lipase, immobilization, supports, activity, triacylglycerides, hydrolysis 1040
- Candida hydrocarbofumarica**, grape must, utilization, fumaric acid, production 1529
- Candida krusei**, olive oil, waste water, utilization, single cell protein, production 937
- Candida lipolytica**
liquid paraffin, utilization, citric acid, production, culture media 1539
polychlorinated biphenyls, biodegradation 316
rice bran, oils, hydrolysis, triacylglycerol lipase, kinetics 2173
- Candida parapsilosis**
benzoates, biodegradation 455
phenols, biodegradation 455
- Candida rugosa**, enzyme activity 608
- Candida sake**
antagonism
 Botrytis cinerea
 apples
 postharvest decay 127
 storage decay 127
- Penicillium expansum*
 apples
 postharvest decay 127
 storage decay 127
- Candida shehatae** (see *Pichia stipitis*)
ethanol production, xylose, fermentation, inhibition, organic compounds 1584
- Candida tenuis**
antagonism
 Botrytis cinerea
 apples
 postharvest decay 127
 storage decay 127
- Penicillium expansum*
 apples
 postharvest decay 127
 storage decay 127
- Candida tropicalis**
pig slurry
 feeds, production 1766
 fermentation 1766
 sugarcane, upgrading, proteins, production 373
- Candida utilis**
ethanol production, levoglucosan, wood tar 1611
grape pomace, upgrading, feeds, production 943
iron, uptake 1688
maize stover, upgrading, feeds, production 943
zinc, uptake 1688
- Cane sugar**, production, waste water, biological treatment, anaerobic digesters, amendments, microorganisms 519
- Cannery effluent**, anaerobic treatment, bioreactors 2090
- Cape Verde**
waste water
 biological treatment
 ponds 382
 water reuse, agriculture 382
- Capric acid**, inhibition, sewage sludge, anaerobic digesters 1502
- Capsicum**
Aspergillus, aflatoxins 59
storage decay, *Erwinia carotovora*, temperature 134
- Captafol**, microbial contamination, control, postharvest decay, *Manilkara zapota* 1294
- Captan**, microbial contamination, control, postharvest decay, *Manilkara zapota* 1294
- Carbofuran**
biodegradation, soil 1669
biodegradation, soils, assessment 1046
- Carbohydrates**
utilization, fuel cells, microbial, *Proteus vulgaris* 2187
xylose, induction, *thermoascus aurantiacus* 2566
- Carbon**
cellulose, biodegradation, *Armillaria ostoyae* 982
lignin, biodegradation, *Armillaria ostoyae* 982
mineralization
 cattle manure
 aerobic treatment 1764
 anaerobic digestion 1764
 composting 1764
 composts 2476
 soil, microbial activities, mathematical models 495-496
 nitrogen, ratios, rice straw, biodegradation, microorganisms 2254
 substrates, microorganisms, growth, kinetics 994
 wastes, utilization 1531
- Carbon dioxide**
assimilation, heterotrophic microorganisms, aquatic environment, thiosulfates, effects 2373
- bacteria
 control
 food, contamination 1365
 water, contamination 1365
- emissions, sewage sludge, biological treatment, USA, New Hampshire 2135
- fermentation, methane production, bioreactors, anaerobic conditions, kinetics 385
- fixation, atmosphere, algae 2567
- insects
 chemical control
 herbaria, biodeterioration 1363

- Carbon dioxide** cont.
insects *cont.*
chemical control *cont.*
museum specimens, biodeterioration 1363
museums, biodeterioration 1363
release, wheat straw, biodegradation, fungi 981
utilization
acetates, production, *Clostridium ljungdahlii* 2461
chemicals, production, reviews 2188
ethanol production
Clostridium ljungdahlii 2461
reviews 2188
fuels, production, reviews 2188
water, disinfection 1365
- Carbon monoxide**
utilization
acetates, production, *Clostridium ljungdahlii* 2461
Actinomycetales
composts, taxonomy 2556
soil, taxonomy 2556
ethanol production, *Clostridium ljungdahlii* 2461
hydrogen, production, *Rhodospirillum rubrum* 1160
- Carbon tetrachloride**, biodegradation, *Phanerochaete chrysosporium*, lignin peroxidase 1563
- Carboxylic acids**
biodegradation
anaerobic treatment
Desulfotomaculum 2284
Methanobacterium thermoautotrophicum 2284
bacteria 2222
manufacture, waste water, biological treatment, bioreactors, anaerobic conditions, biological fixed-film systems 1737
- Carnobacterium**
arginine, biodegradation 1921
fish, microbial contamination, control 150
- Carnobacterium piscicola**, bacteriocins, production 1356, 2553
- Carobs**, fruits, utilization, ethanol production, *Saccharomyces cerevisiae* 1551
- Carotenoids**, production, methanol, biodegradation, *Methyllobacterium* 945
- Carrots**
postharvest decay
Botrytis cinerea, induced resistance 1300
control, *Theilaviciopsis basicola* 742
Theilaviciopsis basicola, Canada 137
- Caryedon serratus**, groundnuts, resistance 716
- Casein**, utilization, *Streptomyces akiyoshensis*, 5-hydroxy-4-oxonorvalien, production 1809
- Cassava**
feeds
bacteriology
China 1265
Indonesia 1265
fermentation, cyanogens, removal, fungi 2557
retting, fermentation, lactic acid bacteria, characterization 1784
utilization, ethanol production, *Saccharomyces cerevisiae*, genetic engineering 2180
- Cassava peel**, fermentation, *Rhizopus*, feeds, production 1537
- Cassava starch**
saccharification
fermentation
ethanol production
Rhizopus, bioreactors 1659
Saccharomyces cerevisiae, bioreactors 1659
utilization, *Monascus*, pigments, production 607
- Cast iron**, biofilms, development, water distribution, pipelines, temperature 1960
- Catalysts**, biological, *Saccharomyces cerevisiae*, encapsulation, glass 612
- Catechin**, biodegradation, *Chaetomium cupreum*, enzymes 412
- Catechol**, production, phenols, biodegradation, *Bacillus stearothermophilus*, kinetics 2295
- Catenococcus thiocyclopus**, thiosulfates, oxidation 1078
- Cattle**, mastitis, *Staphylococcus aureus*, virulence 273
- Cattle dung**
abattoirs, meat hygiene, legislation, Finland 754
anaerobic digestion, surfactants, methane production 2193
Eichhornia crassipes, methane production, anaerobic digestion, metals, salts, effects 2250
propionates, biodegradation, *Syn-trophobacter wolinii*, isolation 2525
- Cattle dung + poultry manure + whey**
anaerobic digestion
methane production
retention 2152
temperature 2152
- Cattle housing**
air pollution 851
microbial contamination 851
- Cattle manure**
anaerobic digesters, supports, zeolite, kinetics 883
biodegradation
anaerobic digestion, temperature, effects 1763
biogas, production, anaerobic digesters, Switzerland 1516
biogas, production, anaerobic digestion 2481
biological treatment, activated sludge, nitrification, denitrification, Netherlands 545
carbon
mineralization
aerobic treatment 1764
anaerobic digestion 1764
composting 1764
composting 1470
dairy farms, anaerobic digestion, biogas, production 1765
nitrogen
mineralization
aerobic treatment 1764
anaerobic digestion 1764
composting 1764
- Cattle slurry**
aerobic treatment, composting 547
anaerobic digesters, design, biogas, production, India 2151
biogas, production, anaerobic digestion, temperature 1762
composting, ammonia, removal, biofilters 546
grasses, biogas, production, anaerobic digestion 548
industrial wastes, biogas, production, anaerobic digestion 540
methane production, anaerobic digestion, temperature 1762
- Cauliflowers**, damage, cold storage, *Rattus rattus*, control 1395
- Caulobacter**, adhesion, germanium, monitoring 1188
- Caves**, biodeterioration, reviews 1957
- Celery**
storage decay
Botrytis cinerea
control
iprodione, Israel 1304
thiabendazole, Israel 1304
- Sclerotinia sclerotiorum**
control
iprodione, Israel 1304
thiabendazole, Israel 1304
- Cellulose**, biodegradation, *Halocella cellulolytica*, new species, enzymes, production 1150
- Cellulase**
production
cellulose
biodegradation
Penicillium occitanis 2558
Trichoderma reesei 2558
- Cellulolytic microorganisms**, *Clostridium thermocellum* 441
- Cellulolytic microorganisms**
Armillaria ostoyae 982
Aspergillus 940
Aspergillus fumigatus 1590
Aspergillus nidulans 415
Aspergillus niger 440, 1610
Bacillus thermoalcaliphilus 439
Butyrivibrio fibrisolvens 579
Caldocellum saccharolyticum 1585
Cellulomonas 435, 584
Chaetomium 989
Clostridium 2529
Clostridium cellulolyticum 417
Clostridium thermocellum 417, 428, 1793, 1795
enzyme activity, reviews 419
enzymes, inhibition, paint, waterborne, constituents 1344
Graphium 989
Halocella cellulolytica 1150
Lactobacillus plantarum 1125
Myceliophthora thermophila 1610
Penicillium citrinum 437
Pleurotus ostreatus 1541
soil, enumeration 1838
Thermomonospora fusca 1585
Thermomonospora fusca 1589
Trichoderma longibrachiatum 431, 438, 1585, 1589, 1816
Trichoderma reesei 602
Trichoderma viride 2257
Xylaria 989
Zymomonas mobilis 2259
- Cellulomonas**, cellulose, biodegradation, characterization 435
- Cellulose**
anaerobic digestion, methane production, kinetics 1587
biodegradation
Armillaria ostoyae
carbon 982
nitrogen 982
Bacillus thermoalcaliphilus, enzymes 439
bacteria, enzymes, reviews 1602
Butyrivibrio fibrisolvens, enzymes 579
cellulase
microorganisms, reviews 419
production
Penicillium occitanis 2558
Trichoderma reesei 2558
- Cellulomonas**, characterization 435
- Clostridium**
characterization 2529
isolation, anaerobic digesters 417
- Clostridium thermocellum**
cellulases 2506
genetics 1152, 1793
fuels, production, glucose, *Trichoderma reesei* 2177
fungi, enzymes, production 1610
genetically engineered microorganisms, environment, persistence 584
- Halocella cellulolytica**, new species, enzymes, production 1150
reviews 999
soil
inhibition
terbutylazine 1593
thiram 1593
models, tracer techniques 1614
sugar, production, fungi 1585
- Trichoderma**, cellulase, pretreatment 2245
Trichoderma reesei, cellobiohydrolase, pentaamineruthenium (III), attachment 2177
- hydrolysates**
fermentation, *Zymomonas mobilis*, ethanol production 2259
 β -glucosidase, production, *Debaromyces* 431
hydrolysis
Clostridium thermocellum, enzymes, sorption 441
Trichoderma longibrachiatum, enzymes 431

- Cellulose cont.**
 production, glucose, *Acetobacter xylinum* 396
 saccharification, *Trichoderma viride*, enzymes, polymerization 2257
 utilization, reviews 999
- Cellulosic wastes**
 amino acids, production, ethanol production, microbial degradation, reviews, USSR 988
 biodegradation, vermiculture 376
 ethanol production, microbial degradation, reviews, USSR 988
 utilization
 acid mine drainage, biological treatment 1115
 chemicals, production, reviews 2188
 ethanol production, reviews 2188
 fuels, production, reviews 2188
- Cephalosporium**, xylan, biodegradation, alkalinity 2248
- Ceratocystis piceae**, wood, monitoring, growth 1944
- Ceratocystis pilifera**, wood, monitoring, growth 1944
- Cereal grains**
Alternaria
 Australia 1267
 differentiation 1267
- Aspergillus candidus*, biological control 88
- contamination
 microorganisms, food hygiene, reviews 668
 ochratoxins, Germany 89
 storage
 vomitoxin 94
 zearalenone 94
 stored products pests, control, fumigation 697
- fungi
 detection, culture media 1266
 enumeration, sample pretreatment 1247
- insect pests
 control
 Egypt 91
 irradiation, reviews 249
 laboratory tests, population dynamics 698
- mycotoxins, legislation, reviews 2
- Penicillium roquefortii*, biological control 88
- storage
 insect pests, reviews 289
 Sitophilus zeamais, infestation, environmental factors 290
 stored products pests, reviews 289
- storage decay, control 38
- stored products pests
 control
 Greece 90
 irradiation, reviews 249
 insects, USSR, control 253
 laboratory tests, population dynamics 698
- trichothecenes, estimation 87
- Cereal products**
 fungi, enumeration, sample pretreatment 1247
 lactic acid bacteria, antibacterial properties 730
- Cereals**
 books, mycotoxins 687, 689, 700, 708, 1197
 fermented foods, mycotoxins 691
 mycotoxins
 Alternaria 700
 Aspergillus 690, 702
 books 688, 690-691, 702-703
 control 703
 biocides 687
 Penicillium 690, 702
 Penicillium aurantiogriseum, storage 704
 Penicillium verrucosum, storage 704
 ochratoxins, monitoring 688
 storage, mycotoxins, reviews 701

- Cereals cont.**
 storage decay
 mycotoxins
 production
 Aspergillus
 thiophanate-methyl, control 819
 thiram, control 819
- Cerrena unicolor**
 citrus fruits, wastes, utilization, enzymes, production 1168
 lignin, biodegradation, nitrogen, regulation 2252
- Chaetoceros salsuginosus**, morphology, Japan 1371
- Chaetomium cellulolyticum**
 grape pomace, upgrading, feeds, production 943
 maize stover, upgrading, feeds, production 943
- Chaetomium cupreum**, catechin, biodegradation, enzymes 412
- Chaetomium globosum**, control, wood preservatives 794
- Chainia**, xylan, biodegradation, genetic engineering 1811
- Chattonella antiqua**, growth, inhibition, *Gracilaria verrucosa*, lectin, fish, fat 1402
- Cheesemaking**
 microbial contamination
 Listeria, quality controls 26
 Salmonella, quality controls 26
 rinds, moulds, inhibition, antifungal agents 251
 waste water, chemical oxygen demand, removal, anaerobic treatment, bioreactors 1731
- Cheeses**
 arginine, *Clostridium botulinum*, toxins, production 781

Aspergillus oryzae, inhibition, heat treatment 782

biogenic amines, production, bacteria 1334

coliform bacteria, detection, USA 1332

contamination, enterotoxins, production, *Staphylococcus aureus*, Iraq 1892

Escherichia coli, detection, USA 1332

goat milk, *Mucor*, prevention 780

Listeria
 detection 47
 disinfectants 785
 enumeration, comparisons 41
 inhibition 204

Listeria monocytogenes, Italy 185

manufacture, brine, microbial contamination, Brazil 1940

microbial contamination, Germany 187

microbial flora
 Jordan 1333
 Slovakia 205

Penicillium camembertii, inhibition, heat treatment 782

Penicillium roquefortii, inhibition, heat treatment 782

Staphylococcus aureus, detection, USA 1332

Yersinia, Brazil 784

Yersinia enterocolitica
 Argentina 729
 survival, storage 1384

Chemical agents, bacteria, bioremediation 1693

Chemical industry, waste water, biological treatment, fluidized beds 1735

Chemical oxygen demand, removal, cheesemaking, waste water, anaerobic treatment, bioreactors 1731

Chemicals
 anaerobic digestion, methane production, inhibition, monitoring 1191

biodegradation
 assays 304
 estimation, data analysis, structure activity relationships, USA 1406

industrial, inhibition, methane production, anaerobes 1505

production
 biomass, utilization, microbial degradation 1543

Chemicals cont.
 production cont.
 carbon dioxide, utilization, reviews 2188

cellulosic wastes, utilization, reviews 2188

starch, utilization, reviews 2188

Chemistry, coal, upgrading, microbial degradation, reviews 2465

Chicken meat
 contamination
 Aeromonas, isolation, culture media 1325

Campylobacter, detection, DNA probes 182

microbial contamination, *Aeromonas* 1326

Vibrio cholerae, survival 1203

Chickpeas, mycotoxins, production, *Ascochyta rabiei* 1263

Chile
 copper, bacterial leaching 2458

feeds
 production
 wood
 biodegradation
 Ganoderma australe 938
 Phlebia chrysosacea 938

lignin, biodegradation, bacteria 1597

Chilled foods, microbial contamination, health hazards, reviews 1233

China
 Tianjin, ponds, sewage, treatment, operation 1495

enterotoxins, production, *Staphylococcus aureus*, detection 44

feeds, cassava, bacteriology 1265

waste water
 poultry housing
 aerobic treatment 1121
 anaerobic treatment 1121

Chironomidae
 water supply, contamination, USA 240

water systems, contamination, USA 240

Chitin
 biodegradation
 Aeromonas, enzymes, purification 2507

Aphanocladium album, enzyme activity 1814

Trichoderma harzianum, enzymes 617

Listeria monocytogenes, survival, disinfectants 151

Chitosan, biodegradation, *Streptomyces kurssanovii*, enzymes 594

Chlamydia pneumoniae, survival, aerosols 1858

Chloramphenicol, fungi, assays 1390

Chlorella
 antiinfective agents, production, marine environment, light, induction 1967

immobilization, bioreactors, waste water, mercury, removal 2348

nitrogen, uptake, heavy metals, effects 2382

phosphorus, uptake, heavy metals, effects 2382

Chlorella fusca
 heavy metals
 adsorption 1679
 removal 1678

Chlorella vulgaris
 anaerobic digestion, biogas, production 2185

heavy metals, sorption 1677

water, heavy metals, removal, pH, organic acids 2351

Chlorhexidine digluconate, removal, waste water, biological filtration, filters, media, poly(vinyl chloride) 347

Chlorinated aliphatic compounds
 biodegradation
 anaerobic treatment, bioreactors 1632

microorganisms, growth 1570

Chlorinated benzenes, biodegradation, sediment, lakes, microbial flora, anaerobic conditions, Netherlands 1631

Chlorinated hydrocarbons
 biodegradation
 anaerobic treatment, bioreactors 1632

- Chlorinated hydrocarbons** *cont.*
 biodegradation *cont.*
 environment
 aerobic conditions 1557
 chemistry 2289
 redox potential, effects 2287
 reviews 449
 reviews 450, 1561
 water, anaerobic conditions 1576
 biological fixed-film systems, anaerobes, growth 1454
 chloroform, biodegradation, anaerobes 975
 environment, bioremediation, reviews 2068
 microbial degradation, groundwater, reviews 974
 removal
 air pollution, bacteria 1422
 waste gases, bacteria 1422
 sludges, pulp mills, biodegradation, soil 2441
 soil, Germany 1015
- Chlorine**
 residues, mutagenicity, drinking water, disinfection, bioassays 2042
 waste water
 Escherichia coli 1368
 Streptococcus faecium 1368
- Chlorine dioxide**, waste water, disinfection 1369
- 3-Chloro-4-(dichloromethyl)-5-hydroxy-2(5H)-furanone**, water, biodegradation 1691
- Chloroacetophenone**
 biodegradation
 Arthrobacter 2220
 Micrococcus 2220
- Chloroalkenes**, biodegradation, microorganisms, isolation, soil 2282
- Chloroanilines**
 anaerobic treatment
 inhibition
 acetates, production, microorganisms 1441
 methane production, microorganisms 1441
 biodegradation, *Phanerochaete chrysosporium*, enzymes 1670
- Chlorobenzene**, uptake, *Scenedesmus*, temperature, effects 2198
- 3-Chlorobenzoate**, biodegradation, *Pseudomonas putida*, plasmids 2321
- Chlorobenzoates**
 biodegradation
 Alcaligenes faecalis 1574
 Pseudomonas 1574
- Chlorobenzoic acids**
 biodegradation
 Pseudomonas stutzeri 2202
 soil, *Pseudomonas stutzeri* 2261
- 4-Chlorocatechol**, biodegradation, *Azotobacter* 1036
- Chloroform**, biodegradation, rivers, sediment, toxic substances, inhibition 2205
- 3-Chloronitrobenzene**, biodegradation, bioreactors, membranes, microorganisms 2430
- 2-Chlorophenol**, biodegradation, activated sludge, immobilization, calcium alginate 1558
- 4-Chlorophenol**
 biodegradation
 Azotobacter 1036
 bioreactors, soil, bioremediation 865
- Chlorophenols**
 anaerobic treatment
 inhibition
 acetates, production, microorganisms 1441
 methane production, microorganisms 1441
 biodegradation, biological treatment, fluidized beds, nitrate reduction 2302
 removal, waste water, bioreactors, anaerobic treatment 1648
- Chromates**, removal, sewage sludge, microbial flora 1778
- Chromium**
 effects
 nitrogen, uptake, *Chlorella* 2382
- Chromium** *cont.*
 effects *cont.*
 phosphorus, uptake, *Chlorella* 2382
 reduction, *Escherichia coli* 1687
 removal
 electroplating waste water, *Desulfovibrio* 1759
 industrial wastes, microorganisms 2337
 leather industry, waste water treatment, activated sludge 1112
 waste water
 Salvinia 2359
 Spirodesla 2359
 water
 Anabaena dolomitum, pH, organic acids 2351
 Chlorella vulgaris, pH, organic acids 2351
- sorption
 bacteria 1684-1685
 denitrifying microorganisms 1684-1685
- Chrysosporium farinicol**, enumeration, culture media 1385
- Chrysosporium thermophilum** (*see* *Myceliophthora thermophila*)
- Cider**
 Escherichia coli
 control
 potassium sorbate 1974
 sodium benzoate 1974
- Ciliates**, activated sludge, mathematical models 2134
- Cinnamon**, *Aspergillus flavus*, aflatoxins, inhibition 60
- Citic acid**
 production
 liquid paraffin, utilization, *Candida lipolytica*, culture media 1539
 whey, fermentation, *Aspergillus niger* 375
 Yarrowia lipolytica, paraffins 604
- Citrus fruits**
 Penicillium digitatum, induced resistance 130
 postharvest decay, control, *Trichoderma viride*, fungicides 1352
 wastes, utilization, *Cerrena unicolor*, enzymes, production 1168
- Clay**, removal, waste water treatment, biological filtration 903
- Cleaning**, dairy factories, microbial contamination, reviews 514
- Clostridium**
 cellulose, biodegradation, characterization 2529
 foods, microbial contamination, identification, test kits 2583
 grana cheese, defects, gases, control 778
 isolation, anaerobic digesters, cellulose, biodegradation 417
 molasses
 fermentation
 butanol, production, immobilization, alginates 1544
 isopropyl alcohol, production, immobilization, alginates 1544
 pollution, groundwater, pig manure, indicators 293
 uranium, reduction 1689
- Clostridium acetobutylicum**, solvents, production, enzymes, genetic engineering 969
- Clostridium botulinum**
 bacterial toxins, pollution, watersheds, Japan 53
 cheeses, arginine, toxins, production 781
 foods, detection 46
 inhibition, by lactic acid bacteria 243
 olives, food poisoning, botulism, Italy 1859
 phylogeny 1999
 spores, foods, heat treatment, survival 832-833
 toxins
 genetics 1988
 production, gene sequencing 1895
- Clostridium butyricum**, neurotoxins, genetics 1255
- Clostridium cellulolyticum**, isolation, anaerobic digesters, cellulose, biodegradation 417
- Clostridium laramie**, new species, beef, taxonomy 164
- Clostridium ljungdahlii**
 carbon dioxide
 utilization
 acetates, production 2461
 ethanol production 2461
- carbon monoxide
 utilization
 acetates, production 2461
 ethanol production 2461
- hydrogen
 utilization
 acetates, production 2461
 ethanol production 2461
- Clostridium perfringens**
 azoreductase, synthesis, electron microscopy 267
 bacteriophages
 indicator species
 drinking water treatment
 efficiency
 protozoa, removal 1870
 viruses, removal 1870
- enterotoxins, production 1861
 foods
 public health, reviews 1855
 volatile fatty acids, production, enterotoxins, production, differentiation 1374
 inhibition, by *Pediococcus acidilactici*, bacteriocins 1355
- Clostridium sporogenes**
 gamma radiation 274
 heat resistance 274
- Clostridium thermocellum**
 cellulase, production 428
 cellulose
 biodegradation
 cellulases 2506
 genetics 1152, 1793
 enzyme activity 1795
 enzymes, cellulose, hydrolysis, sorption 441
 isolation, anaerobic digesters, cellulose, biodegradation 417
- Clostridium thermohydrosulfuricum**, taxonomy 1789
- Clostridium thermosaccharolyticum**
 starch, hydrolysis, enzymes, production 1043
 xylose, fermentation, ethanol, production 507
- Clostridium thermosulfurigenes**, taxonomy 1789
- Coal**
 biodegradation
 genetically engineered microorganisms, reviews 2473
 methane production, reviews 2471
 depolymerization
 bacteria, reviews 2468
 fuels, production, microorganisms 2470
 fungi, reviews 2468
 liquification, bioreactors, fluidized beds, hydrodynamics 2462
 nitrogen, removal, microorganisms 2472
 pyrites, oxidation, *Metallocphaera sedula* 2376
 solubilization
 anaerobes, reviews 2470
 bacteria
 fungi, comparison 1756
 reviews 2467
 fungi
 isolation, lignite 2469
 measurement 534
 reviews 2466-2467
 microorganisms, biotechnology 1757
 organic compounds, production, microorganisms, sample processing 1410
- Penicillium simplicissimum** 1116
- sulfur
 removal
 microorganisms 2472

- Coal cont.**
 sulfur cont.
 removal cont.
 microorganisms cont.
 bioreactors, coal mine spoil 2460
 upgrading
 alcohols, production, anaerobes 2469
 microbial degradation
 biochemistry, reviews 2465
 chemistry, reviews 2465
 microorganisms, books 2464-2473
- Coastal areas**
 algae, eutrophication, fertilizers, models, USA, Alaska 308
 USA, waste water, management, books 2600
- Coatings**, wood, panels, Sweden 223
- Cobalt**
 application, drugs, production, waste water treatment, biological fixed-film systems, anaerobic conditions 520
 effects
 anaerobic digestion, granules 914
 methane production
 acetates, anaerobic digestion 1671
 methanol, anaerobic digestion 1671
 removal, waste water treatment, activated sludge 1066
 uptake, waste water, *Lemna minor* 2335
- Coconut products**
 shelf life
 preservation, microbial contamination 1293
 storage, microbial contamination 1293
- Coconuts**
 fungi
 aflatoxins, Egypt 738
 ochratoxins, Egypt 738
- Coke plant effluent**
 phenols, removal, oxidation ditches 1034
 pretreatment, activated sludge 2463
- Cold storage**
 apples, *Pezicula malicorticis* 121
 fruit crops, damage, *Rattus rattus*, control 1395
 poultry meat, contamination, microorganisms, food irradiation, control 1358
 vacuum packaging
 pigmeat
 contamination
 bacteria, control 1925
 pathogens, control 1925
 vegetables, damage, *Rattus rattus*, control 1395
- Coleoptera**
 control, softwoods, wood preservation 219
 raisins, stored products pests, South Africa 135
 rice, storage, Taiwan 98
- Coliform bacteria**
 biochemical techniques 1189
 cheeses, detection, USA 1332
 drinking water
 enumeration 1220
 Jordan 30
 foods, contamination, enumeration 1253
 meat products, estimation 172
 removal
 membranes, utilization, activated sludge 2126
 reservoirs, waste water, irrigation, Israel 2124
 septic tank effluent, filters, sand 901
 waste water treatment, lagoons, design 364
 salads, microbial contamination, identification 1914
- Colletotrichum coccodes**, potatoes, storage decay, environmental factors 138
- Colletotrichum musae**, control, bananas, postharvest decay, coating materials 1296
- Colombia**, sewage, bioreactors, anaerobic treatment 1449
- Colour**
 removal
 kraft mill effluent, biological treatment 2437
 pulp mill effluent, biological treatment 2437
- Comamonas testosteroni**, polychlorinated biphenyls, biodegradation, bioremediation 1649
- Combustion**, biological treatment, sewage sludge 881
- Composting**
 aeration
 peat, bulking, poultry manure 893
 straw, bulking, poultry manure 893
 aerobic
 poultry manure, manure, USA 2120
 turkeys, manure, USA 2120
 aerobic treatment, cattle slurry 547
 agricultural wastes, supply balance, USA 1465
 anaerobic treatment, methane production, organic wastes, refuse 1466
 animal wastes, environmental impact, books 635
 carbon, mineralization, cattle manure 1764
 cattle manure 1470
 cattle slurry, ammonia, removal, biofilters 546
 crab waste 2111
 domestic gardens, wastes, animal wastes, USA 341
 equipment, poultry manure, environmental impact 556
 fish, wastes, bulking agents 1460
 food processing, wastes, USA 2106
 food wastes
 topsoil 888
 USA 890
 gardening, wastes, USA 890
 grass clippings, USA 2107
 kitchen waste, pH 892
 latrines, Canada 889
 manures, topsoil 888
 methane production
 agricultural wastes, anaerobic conditions, Egypt 537
 villages, wastes, anaerobic conditions, Egypt 537
 moisture content, pig manure 2486
 municipal solid wastes, bioreactors 1129
 nitrogen, mineralization, cattle manure 1764
 percolates, contamination, endotoxins 1894
 pig manure, methodology 1768
 pigs, litter, health hazards 549
 polluted soils, explosives, bioremediation 313, 1417
 poultry
 carcasses 1468
 equipment 1527
 fertilizers, USA, Alabama 1530
 poultry manure 551
 bulking agents 1460
 costs, USA 554
 economic viability, USA 554
 environmental factors, UK 553
 environmental impact 552
 poultry, processing, sludges 1772
 refuse
 biochemistry 1776
 bioreactors 1129
 Greece 1127
 legislation
 Canada, reviews 1462
 Europe, reviews 1462
 USA, reviews 1462
 organic matter, stabilization, seasonal variation 2112
 pathogens, reduction, Tunisia 1467
 reviews 1464
 risk assessment, reviews 1463
 sewage sludge, USA 2121
 supply balance, USA 1465
 UK 1461
 seafoods, wastes, bulking agents 1460
 sewage, pathogens, reduction, Tunisia 1467
 sewage effluent, topsoil 888
- Composting cont.**
 sewage sludge
 biochemistry 1776
 hydrolases 1130
 odour abatement, USA 894
 organic matter, characterization, electrofocusing 1128
 plant residues, trees 2114
 reviews 2113
 supply balance, USA 1465
 USA 891
 wastes, gardens, USA 2117
 sludges
 odour abatement, biological filtration, moisture, control 2119
 wastes, gardens, USA 2117
 solid wastes
 production, animal wastes, separation 543
 reviews, Netherlands 1126
 sugarcane bagasse, gases 895
 waste paper, USA 890
 wastes, biological treatment, equipment 340
- Composts**
 application
 pesticides, biodegradation, soil, microbial flora, acclimated 2319
 soil, Turkey 342
 application to land, Enterobacteriaceae, contamination, soil 841
 carbon, mineralization 2476
 chemical properties, refuse, Sweden 2115
 food wastes, nitrogen 1469
 hydrocarbons, biodegradation, soil, bioremediation 978
 maturity
 techniques
 determination
 nuclear magnetic resonance spectroscopy 2110
 reviews 2108-2109
 nitrogen, mineralization 2476
 paper, wastes, nitrogen 1469
 pig manure, volatile fatty acids, removal 1770
 production, sewage sludge, wastes, gardens, *Phaseolus vulgaris*, growth, USA 2118
 sewage sludge, forest soils, application, environmental impact 560
- Computer analysis**, soil bacteria, enumeration 1192
- Computer diskettes**, biodeterioration, fungi 1941
- Computer simulation**, foods, liquids, microorganisms, sampling 25
- Computer software**
 expert systems, petroleum wastes, activated sludge, nitrification, control 1475
 soil bacteria, enumeration 1192
- Conchapelopia americanus**
 water supply, contamination, USA 240
 water systems, contamination, USA 240
- Concrete**
 microbial corrosion, *Thiobacillus*, heavy metals, resistance 1963
 utilization, water systems, steel, microbial corrosion, control, South Africa 805
- Conferences**
 14th Symposium on aquatic toxicology and risk assessment 2341, 2593
 3rd conference of agricultural development research 1165
 3rd International conference on effective membrane processes 2592
 5th International symposium on machine milking of small ruminants 200
 American Society of Sugar Beet Technologists 715
 Annual nutrition conference for feed manufacturers 77
 Applied biotechnology 632
 ASEAN seminar on grain postharvest technology 811
 Australian Society of Sugar Cane Technologists 1732
 biogeochemistry of global change 2195

- Conferences cont.**
- Biogeochemistry of global change 2196, 2226
 - biogeochemistry of global change 2227
 - Biogeochemistry of global change 2289, 2598
 - Biomass for energy, industry and environment 214, 379, 394, 425-430, 502, 538-540, 562, 634, 914-915, 934, 945-946, 950-952, 986-988, 1039, 1094, 1111, 1584
 - Biotechnology: bridging research and applications 574
 - British Crop Protection Council 466, 1661
 - CIOSTA-CIGR V 1121
 - Costs of agricultural production of biogas 388-393, 548
 - Dairy systems for the 21st century 1765
 - Effluent treatment and waste minimisation 909, 959, 1060, 1065, 1105-1106, 1196
 - Environmental challenges and solutions in agricultural engineering 546
 - Environmental pollution 893
 - environmental pollution 1098
 - Environmental pollution 2114, 2597
 - Environmental risk analysis 2599
 - Fate of pesticides and chemicals in the environment 408
 - Food safety and quality assurance: applications of immunoassay systems 670, 731
 - Insect disinfection of food and agricultural products by irradiation 249
 - Integrated soil and sediment research 868-871, 925, 977-978, 1015-1018, 1058, 1073
 - International *Botrytis* symposium 123, 129, 140
 - International congress on mechanization and energy in agriculture 387
 - International Symposium on Crop Protection 1973
 - International Symposium on Environmental Aspects of Pesticide microbiology 1046
 - International Symposium on Environmental Aspects of Pesticide Microbiology 1047
 - International symposium on pre- and post-harvest physiology of pome-fruit 120-121
 - Japan, International Symposium on Tropical Agriculture Research 374
 - Lignin biodegradation and practical utilization 1541-1542, 1596-1601, 1660, 1745-1746, 1819, 1821-1823
 - Liquid fuels from renewable resources 422
 - Listeria monocytogenes*: currency issues and concerns 1990
 - Livestock environment IV 549, 851
 - On-line waste water treatment 901
 - On-line wastewater treatment 912
 - On-site waste water treatment 900, 923, 930-931, 1088
 - On-site wastewater treatment 913
 - Parasites 88 90-91
 - Pesticides in soils and water 466, 1661
 - Phosphorus in sediments 2398-2405
 - Proceedings of the International workshop on rice seed health 289
 - Public health significance of natural toxicants in animal feeds 1194
 - Pulp and paper effluent impact: assessment and remediation 397, 526-527
 - Quality assurance and good laboratory practice 633
 - Reservoir limnology and water quality 2028, 2200, 2383-2384, 2411-2412, 2596
 - Safeguarding food quality 1839
 - Science and cultivation of edible fungi 896-897, 1000
 - Second regional mycological conference 713, 718, 1193
 - Sewage sludge use and disposal 1843
 - Sixth International Symposium on anaerobic digestion 1430, 1442-1458
 - Conferences cont.
 - Sixth International Symposium on anaerobic digestion cont. 1466, 1473, 1504-1518, 1556, 1737, 1747
 - Sixth National Outdoor Action Conference on aquifer restoration, groundwater monitoring and geophysical methods 1626-1627
 - Standardization of methods for the mycological examination of foods 1231, 1237-1238, 1240-1247, 1249-1252, 1266-1267, 1272, 1276, 1279, 1281-1283, 1286, 1289, 1299, 1385-1390, 1841
 - Standardization of methods for the mycological examination of foods 1248
 - Use of microorganisms to combat pollution 1372, 1557, 1572-1573, 1602-1604, 1618-1619, 1633, 1649, 1681-1682, 1692-1693, 1709, 1785, 1840
 - Use of microrganism to combat pollution 1605
 - wastewater sludge dewatering 2094-2095, 2103, 2137, 2410, 2446-2447, 2595
 - Wastewater treatment: evaluation and implementation 2594
 - Water quality international 1992 2050, 2165, 2240, 2287, 2323, 2354-2355, 2431, 2440-2445, 2449
 - World congress on foodborne infections and poisoning 1195
 - Coniophora puteana*, control, wood preservation, standards, Canada 230
 - Controlled atmosphere storage apples, *Malicorticis* 121 kiwifruits, *Botrytis cinerea* 129
 - Cook-chill system, beef, *Listeria monocytogenes*, gamma radiation, growth 1922
 - Cooling towers contamination *Legionella* Australia 238 bacterial count, infectivity 1346 control, *Legionella*, reviews 9 *Legionella pneumophila*, UK 237
 - Copper adsorption, *Chlorella fusca* 1679 bacteria, resistance, reviews 471 bacterial leaching Chile 2458 scanning electron microscopy 615 sewage sludge, anaerobic digestion 2338 effects nitrogen, uptake, *Chlorella* 2382 phosphorus, uptake, *Chlorella* 2382 precipitation, *Desulfovibrio* 2353 removal *Chlorella fusca* 1678 sulfides, generation, anaerobic digestion 1067 residual effects, sewage sludge, application to land, microorganisms, biomass, soil 299 sorption, mosses, dyes 2357 tolerance, *Escherichia coli* 834 uptake bacteria, reviews 471 metals, production, waste water, *Eichhornia crassipes*, biomass 2336 *Nostoc calcicola* 1141 waste water, *Lemna minor* 2335
 - Copra insect pests, control, irradiation, reviews 249 stored products pests, control, irradiation, reviews 249
 - Coptotermes formosanus*, control, timbers, wood preservation, borates 231
 - Corals, marine fouling 1348
 - Corycyra cephalonica* control, growth regulators 244 sorghum, stored products pests 709
 - Coriolus hirsutus*, *Acacia auriculiformis*, resistance 216
 - Coriolus versicolor* *Acacia auriculiformis*, resistance 216
 - Coriolus versicolor* cont.
 - Hevea brasiliensis*, decay, resistance 215 laccase, solvents, lignin, biodegradation 1599 timbers, resistance, Taiwan 228 wheat straw, fermentation, feeds, production 1586
 - Cork biodeterioration actinomycetales 213 fungi 213
 - Corrosion**, microorganisms 800
 - Corynebacterium*, 1,3-dichloro-2-propanol, biodegradation, propanediols, production 434
 - Cosmetics**
 - Aspergillus niger*, control, preservatives, determination, efficiency 798 *Candida albicans*, control, preservatives, determination, efficiency 798
 - Cost benefit analysis**, sewage treatment plants, environmental impact 2037
 - Costs**, poultry manure, composting, USA 554
 - Cotton waste** ethanol, production 422 upgrading, feeds, production, *Pleurotus ostreatus* 1541
 - Cowpeas** *Callosobruchus maculatus* 1271 pods, resistance, storage, *Callosobruchus maculatus*, oviposition 1905
 - Crab meat**, pasteurization, reviews 152
 - Crab waste**, composting 2111
 - Cream**, syrups, microbial contamination, yeasts, Puerto Rico 1280
 - Creosote**, biodegradation, polluted soils, *Phanerochaete sordida*, USA, Mississippi 2288
 - P-cresol**, biodegradation, *Phanerochaete chrysosporium* 2266
 - Croatia** milk products bacterial count 191 microbial contamination, bacteria 191
 - Crop residues** animal wastes, anaerobic digestion, methane production 2191 biodegradation green manures, production, reviews 2186 vermiculture 376 lignocellulosic wastes, energy resources 425 mushroom compost, anaerobic digestion, biogas, production 997
 - Crops** animal wastes, application, reviews, India 927 growth, sewage sludge, application to land 932
 - Crude oil** biodegradation bacteria, screening 1182 monitoring, carboxylic acids, Venezuela 1025
 - Cryptococcus albidus*, ethanol production, levoglucosan, wood tar 1611
 - Cryptococcus neoformans*, vaccines, rabies, contamination, Nigeria 799
 - Cryptomeria japonica* biodegradation *Chaetomium* 989 *Graphium* 989 *Xylaria* 989
 - Cryptosporidium**, water samples, identification 2590
 - Cryptosporidium**, water supply, microbial contamination, USA, Wisconsin 1224
 - Cuba** food poisoning, enterotoxins, *Staphylococcus aureus*, detection 1258
 - Cucumbers**, storage decay, India 133
 - Culinary herbs**, microbial contamination, control 720
 - Culture media** nutrients, *Legionella pneumophila*, survival, morphology 263 ochratoxins production *Aspergillus* 75 *Penicillium aurantiogriseum* 75

- Culture media cont.**
 oils, biodegradation, bacteria 445
 performance, foods, fungi, techniques, monitoring 1237
Salmonella typhi, detection 1221
 yeasts, detection 1835
- Cultured cream**
 microbial flora, Yugoslavia 1335
 pathogens, Yugoslavia 1335
- Cultured milks**, sporeforming bacteria, India 176
- Cunninghamella echinulata*, pyridines, biodegradation 400
- Cunninghamella elegans*, pectins, biodegradation, enzymes 606
- Curd**, microbial contamination, India 209
- Cut flowers**
Botrytis cinerea, detection, monoclonal antibodies 1305
 vase life, preservatives 141
- Cyamopsis tetragonoloba*, seeds, *Aspergillus flavus*, control, essential oils, *Daucus carota*, India, Uttar Pradesh 1966
- Cyanides**
 biodegradation
Klebsiella planticola, chemistry 1690
 mining, waste water, *Pseudomonas* 1076
- Cyanobacteria**
 contamination
 reservoirs, water purification, processes, UK 2451
 rivers, water purification, processes, UK 2451
 green manures, deserts, bioremediation, reviews 317
 limestone, colonization, water availability 234
 ossein, production, waste water treatment 1099
 polyhydroxyalkanoate, production, reviews 2514
 polyhydroxybutyrate, production 2515
 reservoirs, eutrophication, Czech Republic 2029
 toxins, production, fresh water, Japan 1396
 water, movement, models 262
- Cyanogens**, removal, cassava, fermentation, fungi 2557
- Cyathus stercorarius*
 maize stover, biodegradation 1594
 rice straw, biodegradation 1594
- Cycling**, iron, bacteria 476
- Cytotoxic compounds**, production, foods, *Aeromonas* 51
- Czech Republic**
 algae, proliferation, reservoirs, eutrophication 2028
 biogas, production, farmyard manure, anaerobic digesters, design 955
 food poisoning, ochratoxins 682
 organic compounds, biodegradation, algae, production, reservoirs 2200
 phosphorus
 eutrophication, reservoirs 2411
 levels, inhibition, algae, eutrophication, reservoirs 2412
 reservoirs
 eutrophication
 cyanobacteria 2029
 drinking water, contamination 2030
- 2,4-D**
 biodegradation
Alcaligenes eutrophus
 genetic analysis 1667
 preservation 2043
 bioreactors, biological fixed-film systems, granular activated carbon, supports 1668
 mycorrhizal fungi 2322
Pseudomonas putida, plasmids 2321
- D-malic acid**
 production
 actinomycetales, reviews 1082
 bacteria, reviews 1082
 fungi, reviews 1082
 yeasts, reviews 1082
- Dairy effluent**
 biological treatment, ponds 2145
- Dairy effluent cont.**
 waste disposal, South Africa 2424
- Dairy equipment**
 stainless steel
Listeria monocytogenes, adhesion, milk, effects 235
Salmonella typhimurium, adhesion, milk, effects 235
- Dairy factories**
 dairy hygiene, *Listeria* 650
 microbial contamination
 cleaning, reviews 514
 sterilization, reviews 514
 waste water treatment, biological filtration, USA 1730
- Dairy hygiene**
 quality controls, reviews 633
 quality standards, reviews 633
- Dairy industry**
 waste water, biological filtration, media, comparisons 2425
 water supply, contamination, *Campylobacter*, detection 27
- Dairy wastes**
 biological treatment
 aerobic conditions, reviews, Belgium 515
 anaerobic conditions, reviews, Belgium 515
 ponds 1102
 reviews 513
- Dalapon**, residues, biological activity in soil, effects, Armenia 467
- Data analysis**
 chemicals, biodegradation, estimation, structure activity relationships, USA 1406
 toxic substances, biodegradation, estimation, structure activity relationships, USA 1406
- Dates**
 insect pests, control, irradiation, reviews 249
 stored products pests, control, irradiation, reviews 249
- Datura innoxia*, cells, europium, immobilization 2379
- Daucus carota*, essential oils, *Cyamopsis tetragonoloba*, seeds, *Aspergillus flavus*, control, India, Uttar Pradesh 1966
- Debaryomyces*, cellulose, hydrolysates, β -glucosidase, production 431
- Debaryomyces hansenii*, cellulose, hydrolysates, β -glucosidase, production 431
- Debaryomyces vanrijii*, cellulose, hydrolysates, β -glucosidase, production 431
- Decane**, biodegradation, *Marinobacter hydrocarbonoclasticus*, nutrients 1624
- Decay fungi**, control, timbers, wood preservation, India 793
- Denitrification**
Alcaligenes faecalis 490
 anaerobic conditions, aromatic hydrocarbons, biodegradation 452
Bacillus cereus, nitric oxide, production 581
 bacteria, enzymes 493
 biological treatment, nitrates, removal, drinking water 1873
 drinking water, bioreactors, fluidized beds 2099
 gravel pits, lakes, France 1703
 groundwater
 biological treatment 1707
 bioremediation 1707, 2073
 irrigation water, nitrates, bioremediation, USA 860
 phosphorus, removal, activated sludge, mathematical models 2132
 pig slurry, aerobic treatment 2482
Pseudomonas, temperature, substrates 1798
Pseudomonas aeruginosa, nitric oxide, production 581
Rhodobacter sphaeroides, immobilization, polyvinyl alcohol, gel 491
 sediment, arsenic, toxicity, microbial activities 498
 soil, meatworks effluent, irrigation 369
Thiobacillus pantotropha, oxygen 2522
- Denitrification cont.**
 waste water treatment
Nitrosomonas europaea 1087
Pseudomonas denitrificans 1087
Thiobacillus denitrificans 1701
 water purification, aquaculture, bioreactors, anaerobic treatment, aerobic treatment 2394
- Denitrifying bacteria**, nitrogen, pollution control 2397
- Denitrifying microorganisms**
 bacteria, methane production, sludges, bioreactors, anaerobic conditions, relationships 330
 chromium, sorption 1684-1685
- Denmark**
 biogas, production, anaerobic digestion, animal manures, industrial wastes, refuse 1515
 green manures, production, anaerobic digestion, animal manures, industrial wastes, refuse 1515
 nitrogen, removal, activated sludge, instrumentation, measurement 2388
- Deoxynivalenol (see Vomitoxin)**
- Deserts**, bioremediation, cyanobacteria, green manures, reviews 317
- Desulomonile tiedje*, organic halogen compounds, biodegradation, reviews 976
- Desulfotomaculum*, carboxylic acids, biodegradation, anaerobic treatment 2284
- Desulfotomaculum thermobenzoicum*, phylogeny, polymerase chain reaction 583
- Desulfovibrio*
 chromium, removal, electroplating waste water 1759
 copper, precipitation 2353
- Desulfovibrio desulfuricans*
 benzothiophene, biodegradation, alkanes 446
 methylmercury
 biodegradation 2377
 resistance 2377
- Desulfovibrio furfurale*, furfural, biodegradation, ethanol production, detection, nuclear magnetic resonance 619
- Desulfovibrio longreachii*, new species, Australia 1161
- Desulfurization**
 petroleum hydrocarbons
Micrococcus 1621
Pseudomonas 1621
- Detergents**
 activated sludge, oxygen, uptake 351
 biodegradation
 bacteria 469
 environment, Philippines 1673
 microorganisms, enzymes 2327
 reviews 2330
 sewage effluent, activated sludge 2333
 efficiency, cellulases, production, *Bacillus* 995
 production, waste water, biological treatment, activated sludge 2332
- Deuteromycota**, coal, solubilization, reviews 2467
- Developing Countries**
 algal blooms
 aquaculture
 economic impact 1311
 environmental impact 1311
 animal wastes, biogas, production, bioreactors, design 387
 aquaculture, environmental impact 1311-1312, 1842
 fish culture, waste water, recycling, ponds, fish, microbial contamination 1312
- Dewatering**, pulp and paper industry, activated sludge 2447
- Diatomite**, water purification, magnesium peroxide 1366
- Dicarboxylic acids**, biodegradation, anaerobic digestion, bacteria, methane production 2203
- 1,3-Dichloro-2-propanol**, biodegradation, propanediols, production, *Corynebacterium* 434

- Dichloromethane**, biodegradation, *Hyphomicrobium* 2275
- 2,4-Dichlorophenol**, polluted soils, sand, bioremediation 977
- Dichomitus squalens**, maize stover, biodegradation 1594, rice straw, biodegradation 1594
- Diesel oil**, biodegradation, polluted soils, bioremediation, aeration 1627, soil, microbial flora, bioremediation, groundwater level 1003, polluted soils, bioremediation 871
- Diethyl phthalate**, polluted soils, sand, bioremediation 977
- Diglyme**, biodegradation, microbial flora, determination, respirometry 2362
- Dimethyl ether**, nitrification, *Nitrosomonas europaea*, inhibition 2391
- Dimethyl phthalate**, biodegradation, *Rhodococcus rubropunctatus* 966
- Dimethylsulfoniopropionate**, biodegradation, bacteria, enumeration, Caribbean Sea 570
- 4,6-Dinitroresol**, polluted soils, sand, bioremediation 977
- Dinophysis norvegica**, toxins, shellfish, *Placoplecten magellanicus*, food poisoning, Canada 1917
- Dinophysis sacculus**, blooms, toxins, marine environment, analysis, hplc, France 2009
- Dinophyta**, toxins, production, marine environment, Australia 1391
- Dinoterp**, effects, straw, biodegradation, soil flora 420
- Dioxane**, biodegradation, microbial flora, determination, respirometry 2362
- Disinfectants**, cheeses, *Listeria* 785, chitin, *Listeria monocytogenes*, survival 151, drinking water, pathogens, removal, USA 1981, foods, microbial contamination, control, reviews 1979, resistance, bacteria, antibiotics, resistance 822, seafoods, processing, *Listeria monocytogenes*, control 151
- Disinfection**, byproducts, production, drinking water, pathogens, removal, USA 1980, chlorine, drinking water, microbial contamination, control, Spain 662, stainless steel, bacteria, adhesion, bacterial count 801, biofilms, adhesion, bacterial count 801, *Vibrio cholerae*, resistance, drinking water, Peru 1992, water supplies, microbial contamination, control, Spain 662, control, performance, costs, drinking water, USA 1982, silver, biological filtration, sand, drinking water 530, starch, microbial contamination, ethylene dioxide 1367, stormwater, microbial contamination 2031, surface water, *Giardia lamblia* 1752, waste water, chlorine dioxide 1369, waste water treatment, radiation, reviews 1976, water, carbon dioxide 1365
- Dissolved organic carbon**, biodegradation, drainage water, forest soils, France 405
- Distillers' spent wash**, methane production, biological fixed-film systems, anaerobic conditions 386
- Distillery effluent**, anaerobic digestion 2155, biochemistry 1726, phenols, removal, *Geotrichum candidum* 2150, anaerobic treatment, biological filtration 1517
- Distillery effluent** cont., anaerobic treatment cont., bioreactors, control 1518, fluidized beds, biological, control, dynamic models 1509, treatment, methane production, anaerobic digesters, ultrafiltration 2422, wine industry, anaerobic treatment, design 1455
- Docynia indica**, *Aspergillus*, India 124
- Dolomite**, biodeterioration, *Verrucaria hochstetteri* 803
- Domestic gardens**, plant residues, biodegradation, biogas, production, anaerobic digesters, Switzerland 1516, wastes, animal wastes, composting, USA 341
- Domesti cheese**, storage, pickling, *Listeria monocytogenes*, growth, survival 206
- Donkioporia expansa**, structural timbers, biodegradation, Germany 1340
- Doughs**, breadmaking, microbial flora 1907
- Drainage**, schistosomiasis, control, Cameroon 286
- Drainage channels**, iron, precipitation, microbial activities 475, manganese, precipitation, microbial activities 475
- Drainage water**, dissolved organic carbon, biodegradation, forest soils, France 405
- Dreissena polymorpha**, dispersal, biofouling 287
- Dried fruit**, aflatoxins, sampling, Germany 136, fungi, detection 1299, yeasts, detection 1299
- Dried milk**, aflatoxins, estimation, ELISA, monoclonal antibodies 771, liquid chromatography, immunoaffinity 775, contamination, aflatoxins, Germany 56, manufacturer, microbial contamination, *Listeria*, quality controls 26, *Salmonella*, quality controls 26, *Salmonella*, detection 1187
- Drilling**, fluids, utilization, microorganisms, oilfields, Nigeria 1342
- Drinking water**, *Aeromonas*, classification 625, culture media 1868, enumeration 1868, bacteriophages, detection 1178, biological filtration, sand, disinfection, silver 530, coliform bacteria, enumeration 1220, contamination, *Aeromonas hydrophila*, analytical methods, development, Canada 1222, reservoirs, eutrophication, Czech Republic 2030, denitrification, bioreactors, fluidized beds 2099, disinfectants, pathogens, removal, USA 1981, disinfection, byproducts, production, pathogens, removal, USA 1980, chemical treatment, Italy 32, chlorine, residues, mutagenicity, bioassays 2042, control, performance, costs, USA 1982, ozone, residues, mutagenicity, bioassays 2042, waterborne diseases, control, Peru 1857, *Escherichia coli*, enumeration 34, 1220, pathogens, identification, serotypes 663, faecal coliforms 31, *Giardia*, cysts, viability 1867
- Drinking water** cont., humic acids, removal, *Rhizopus arrhizus*, biomass, UK 2453, legislation, treatment, costs, USA 1849, microbial contamination, control, disinfection, chlorine, Spain 662, Jordan 30, nitrates, removal, denitrification, biological treatment 1873, nitrogen, removal, *Phormidium laminosum*, bioreactors 2455, odours, Actinomycetales, Canada 1871, organic compounds, removal, ozonation, biological treatment 1223, phosphorus, removal, *Phormidium laminosum*, bioreactors 2455, *Salmonella* 31, detection 631, treatment, biological filtration, activated carbon, microorganisms, colonization, France 2452, design, mathematical models 1113, efficiency, protozoa, removal, *Clostridium perfringens*, bacteriophages, indicator species 1870, viruses, removal, *Clostridium perfringens*, bacteriophages, indicator species 1870, *Vibrio cholerae*, resistance, disinfection, chlorine, Peru 1992, viruses, detection, removal, survival 827, water quality, bacteriology, reviews 664, microbiology, reviews 664
- Drug resistance**, goat meat, bacteria 751
- Drugs**, *Aspergillus niger*, control, preservatives, determination, efficiency 798, *Candida albicans*, control, preservatives, determination, efficiency 798, production, waste water, fluidized beds, biological treatment, anaerobic conditions, design 1458, waste water treatment, biological fixed-film systems, anaerobic conditions, cobalt, application 520
- Drying**, aflatoxins, inactivation, maize, Philippines 811, Thailand 811
- Dunaliella primolepta**, antibacterial properties 810
- Dyes**, adsorption, activated sludge, *Aeromonas* 2449, soil, *Aeromonas* 2449
- Biodegradation**, *Flavobacterium*, peroxidases, characterization 2214, *Phanerochaete chrysosporium*, monitoring 2570, *Pycnoporus cinnabarinus*, monitoring 2570, decolorization, *Rhodococcus* (bacteria), genetic engineering 1810, industrial wastes, phenolic compounds, biodegradation, biological treatment 319, ozonation, biodegradation, effects 2306, removal, pulp mill effluent, bioreactors, activated carbon, anaerobic treatment 2443
- Dynamic models**, eutrophication, lakes, phosphorus, release, Japan 1715
- Dynamic programming**, water purification, design, optimization 531
- Earthworms**, feeds, brewers' yeast, utilization 941, paper mill sludge, utilization 941
- EC regulations**, nitrogen, removal, sewage, reviews 2491, phosphorus, removal, sewage, reviews 2491

Ecology

- psychrophilic bacteria 2535
- psychrotrophic bacteria 2535
- Economic analysis**
 - biogas, production, slurries 393
 - heavy metals, bacterial leaching, sewage sludge 1676
 - models, *Eucalyptus saligna*, biomass, utilization, energy, production 1555

Economic impact, algal blooms, aquaculture, Developing Countries 1311

Economic viability, poultry manure, composting, USA 554

Economics

- animal wastes, handling, books 635
- landfill leachates, biological treatment, Germany 935
- slurries
- biogas
- production
- anaerobic digesters
- Germany 389
- operation, Germany 390

Ecosystems, food chains, control, algal blooms, reservoirs, Poland 1398

EDTA, inhibition of, methanol, oxidation, bacteria 960

Effluents

- bakers' yeast, anaerobic digestion 1728
- decolorization, *Pycnoporus cinnabarinus* 2432
- phosphates, removal, *Acinetobacter*, identification, SDS-page 500
- ponds, waste water treatment, upgrading, algae, removal, fluidized beds 1490
- quality, waste water treatment, design, economics 1407

Eggs

- Bacillus cereus*, control, nisin 768
- Campylobacter jejuni*, Egypt 179
- contamination, *Campylobacter jejuni* 183
- microbial contamination 36
- preservation, nisin 768
- Salmonella enteritidis*
 - detection 181
 - growth, storage 1327
 - isolation 2582

Egypt

- algal blooms, *Amphichrysis compressa*, water pollution, marine environment 2008
- beef, bacterial count 163
- cereal grains, insect pests, control 91
- coconuts
- fungi
 - aflatoxins 738
 - ochratoxins 738
- eggs, *Campylobacter jejuni* 179
- feeds, poultry, microbial contamination, *Streptomyces*, enzyme activity, control, irradiation 82
- liquorice, *Aspergillus parasiticus*, aflatoxins 109
- meat
 - bacterial count 159
 - microbiology 158
- meat products
 - bacterial count 163
 - Yersinia* 173
- methane production
 - agricultural wastes, composting, anaerobic conditions 537
 - villages, wastes, composting, anaerobic conditions 537
- milk, microbial flora 1330
- rabbits, carcasses, microbial contamination 157
- vehicles, production, waste water, biological treatment, activated sludge 535
- yoghurt
 - lactic acid bacteria 1337
 - microbial flora 1337
 - moulds 1337

Eichhornia crassipes

- biodegradation, *Trichoderma*, cellulase, production 1588
- biomass, copper, uptake, metals, production, waste water 2336
- butanediol, production, *Klebsiella oxytoca*, methodology 1591

***Eichhornia crassipes* cont.**

- cattle dung, methane production, anaerobic digestion, metals, salts, effects 2250
- heavy metals
 - removal, water 1683
 - uptake 483
- methane production, air pollution, India 285
- pesticides, removal, water 1683
- ponds, sewage, biological treatment 2569
- sewage
 - treatment
 - ponds 2142
 - reviews 359
 - waste water treatment, reviews 359
 - zinc, uptake, pH 2358

Electric current, salts, poultry meat, chilling, water, *Salmonella typhimurium*, control 1360

Electricity

- production
 - biogas
 - landfills, Spain 950
 - production, animal manures, abattoirs, anaerobic digestion, Senegal 952

Electroplating waste water, chromium, removal, *Desulfovibrio* 1759

Emericella, petroleum hydrocarbons, biodegradation, Indonesia 596

Emulsions, oil, biodegradation, soil 2262

Endotoxins

- detection, assays 1260
- gram negative bacteria, structure activity relationships, determination, electron microscopy, reviews 1259
- removal
 - membranes
 - ultrafiltration
 - waste water 1969
 - water 1969

Energy

- efficiency, activated sludge 343
- production
 - biomass, utilization, Germany 1554
 - Eucalyptus saligna*, biomass, utilization, economic analysis, models 1555

Energy resources, crop residues, lignocellulosic wastes 425

Energy sources

- microorganisms, photosynthesis, solar radiation 1531
- pig slurry, anaerobic digestion, Hungary 949

Enteral feeding

- bacteria 18
- microbial contamination 18
- solutions, microbial contamination, prevention 648

Enterobacter aerogenes

- amines
 - production
 - fish 749
 - mackerels 749

Enterobacteriaceae

- pathogens, Blattaria, vectors, human health 2011
- phosphotransferases
 - beef, antibiotics, resistance, genetics 653
 - poultry meat, antibiotics, resistance, genetics 653
- resistance, antibacterial agents 1985
- tofu 115

Enterococcus

- foods, contamination, identification 2000
- inhibition, of *Listeria* 204
- taxonomy 2000

Enterococcus faecalis, survival, beef, microwave cooking 755

Enterotoxins

- biochemistry, *Bacillus cereus* 1257
- food poisoning, *Staphylococcus aureus*, detection, Cuba 1258
- production
 - Clostridium perfringens* 1861
 - foods, *Clostridium perfringens*, volatile fatty acids, production, differentiation 1374

Enterotoxins cont.**production cont.**

- Staphylococcus aureus* 681
 - cheeses, contamination, Iraq 1892
 - detection, China 44
 - meat products, contamination, Iraq 1892
 - milk products, contamination, Iraq 1892
 - wastes, hospitals, Iraq 1892
- Staphylococcus*, foods, detection 679
- Staphylococcus aureus*
 - food products, contamination 50
 - milk, contamination 50

Environment

acid, iron, metabolism, bacteria 476

anaerobic conditions, solvents, chlorinated, biodegradation 2071

alkaline, microorganisms, biotechnology, enzymes, reviews 2534

ammonia, nitrification, nitrifying bacteria, reviews 1709

anaerobic conditions, solvents, chlorinated, biodegradation 2071

bioremediation, microorganisms, reviews 2057

biotechnology, application, books 2606

chlorinated hydrocarbons

biodegradation

aerobic conditions 1557

redox potential, effects 2287

reviews 449

bioremediation, reviews 2068

detergents, biodegradation, Philippines 1673

effects, microbial activities, genetics 1785

genetically engineered microorganisms

biosafety 826

release, effects 1372

nonionic surfactants, biodegradation, Philippines 1673

organic compounds

biodegradation

aerobic conditions, reviews 855

anaerobic conditions, reviews 855

microorganisms, acclimation, reviews 2197

persistence, cellulose, biodegradation,

genetically engineered microorganisms 584

polyacrylates, detergents, additives, biodegradation 306

polyhydroxyalkanoate, biodegradation, bacteria 2368

samples, *Listeria monocytogenes*, characterization, fragment length polymorphism, DNA probes 4

solvents, chlorinated, bioremediation,

anaerobic conditions, reviews 2056

stress, anaerobes, biology, reviews 1163

Environmental assessment

polyacrylates, detergents, additives 306 risk

marine environment, contamination, viruses 748

shellfish, contamination, viruses 748

Environmental factors

pollutants, biodegradation 2237

poultry manure

anaerobic digestion, UK 553

biological treatment, UK 553

composting, UK 553

Environmental impact

agricultural wastes, sludges, application to land 1760

algal blooms, aquaculture, Developing Countries 1311

animal production

waste water, books 645

wastes, books 645

animal wastes

application to land, books 635

composting, books 635

aquaculture, Developing Countries 1311-1312, 1842

aquifers, genetically engineered microorganisms, release, survival, reviews 292

assessment

waste disposal, books 2012

Environmental impact cont.*assessment cont.*

- waste water treatment, books 2012
- wastes, management, books 2496
- bacteria, genetically engineered microorganisms, release, soil 272
- biogas, production, slurries 392
- enterovirus, septic tank effluent 931
- genetically engineered microorganisms release 569, 1131
 - books 640-641
- polyacrylates, detergents, additives 306
- polymers, biodegradation, reviews 1022
- poultry manure
 - composting 552
 - equipment 556
- radioactive wastes, disposal, bioremediation 2496
- sewage effluent disposal, management 2496
- sewage sludge, composts, forest soils, application 560
- sewage treatment plants, cost benefit analysis 2037
- slurries, anaerobic digestion 392
- waste disposal, management 2496

Environmental legislation, bioremediation, USA 2052**Environmental management, reviews 2599****Environmental pollution, bioremediation, reviews 868****Enzyme activity**

- cellulolytic microorganisms, reviews 419
- fungi, determination 2041
- lignin, biodegradation, fungi 1600
- methanol, utilization, yeasts 1824
- xylan, biodegradation, *Streptomyces* 2555

Enzymes

- acetates, biodegradation, *Natronococcus occultus* 1079
- alcohol oxidase, alcohols, biodegradation, *Peniophora gigantea* 2565
- ammonium, assimilation, *Bacillus* 1142
- α -amylase, production, fermentation, *Bacillus subtilis* 571
- amylase, production, starch, *Bacillus subtilis*, polyethylene glycol 1044
- amylases, production, starch, hydrolysis, *Aspergillus niger* 460
- anthranilic acid, biodegradation, *Pseudomonas*, anaerobic conditions 971
- Aspergillus awamori*, arabinose, production, hemicelluloses, biodegradation 427
- azoreductase, synthesis, *Clostridium perfringens*, electron microscopy 267
- bacteria
 - denitrification 493
 - nitrites, reduction 493
 - carboxylic ester hydrolases, production, microorganisms, food biotechnology, reviews 567
 - cellobiohydrolase, pentaammineruthenium (III), attachment, cellulose, biodegradation, *Trichoderma reesei* 2177
 - cellulase
 - cellulose
 - biodegradation
 - microorganisms, reviews 419
 - Trichoderma*, pretreatment 2245
 - production
 - Clostridium thermocellum* 428
 - Penicillium janthinellum* 1825
 - potatoes, storage decay, *Rhizopus oryzae* 139
 - Trichoderma*, *Eichhornia crassipes*, biodegradation 1588
 - Trichoderma reesei*, genetics 602
 - rice straw, utilization, *Aspergillus fumigatus* 1590
 - Streptomyces reticuli*, genetics 586
 - wood chips, biodegradation, *Trichoderma*, pretreatment 2245
 - cellulases
 - cellulose, biodegradation, *Clostridium thermocellum* 2506
 - production, *Bacillus*, detergents, efficiency 995

Enzymes cont.

- cellulose
 - biodegradation, bacteria, reviews 1602
 - saccharification, *Trichoderma viride*, polymerization 2257
 - characterization, hemicelluloses, biodegradation, *Aspergillus nidulans* 415
 - chitin
 - biodegradation
 - Aeromonas*, purification 2507
 - Trichoderma harzianum* 617
 - chitinase, *Aeromonas*, genetics 1134
 - chloroanilines, biodegradation, *Phanerochaete chrysosporium* 1670
 - Clostridium acetobutylicum*, solvents, production, genetic engineering 969
 - detection, assays 617
 - enzyme activity, comparisons, *Aspergillus awamori*, xylan, biodegradation 1820
 - Escherichia coli*, genetics 585
 - flax, retting 1111
 - genetics, phenolic compounds, biodegradation, *Rhizobium leguminosarum* 459
 - glucan 1,4- α -glucosidase
 - production, *Saccharomyces cerevisiae*, genetic engineering, *Aspergillus awamori*, heat stability 601
 - starch
 - biodegradation
 - Aspergillus niger*, production 2312
 - Rhizopus*, production 2312
 - glucose oxidase, shrimps, microbial contamination, control 144
 - α -glucosidase, beers, *Brettanomyces lambicus*, Belgium 2003
 - β -glucosidase
 - production, *Trichodema longibrachiatum*, starch 1816
 - Trichoderma reesei*, genetics 605
 - heat resistance
 - organomercurial compounds
 - biodegradation
 - Bacillus* 2349
 - bacteria 2349
 - hydrogenase, *Methanococcus jannaschii*, methane production, continuous culture 1552
 - hydrolases, sewage sludge, composting 1130
 - 2-hydroxychromene-2-carboxylate isomerase, naphthalenesulfonates, biodegradation, *Pseudomonas testosteroni* 2270
 - immobilization, bioreactors 2158
 - interactions, *Phanerochaete chrysosporium*, lignin, synthetic, biodegradation 2255
 - laccase, characterization, lignin, biodegradation, Basidiomycetes 2564
 - lactoperoxidase, goat milk, *Listeria monocytogenes*, control 776
 - ligases, phenolic compounds, biodegradation, *Pseudomonas* 1030
 - lignin
 - biodegradation 2247
 - Candida albicans* 983
 - Fanus tigrinus* 991-992
 - Phanerochaete chrysosporium* 603
 - Phlebia radata* 991
 - lignin peroxidase
 - carbon tetrachloride, biodegradation, *Phanerochaete chrysosporium* 1563
 - immobilization
 - dynamics
 - kraft mill effluent, degradation 2439
 - pulp mill effluent, degradation 2439
 - Phanerochaete chrysosporium* 1167
 - production, *Phanerochaete chrysosporium* 429
 - ligninase, lignin, biodegradation, *Acinetobacter anitratus* 416

- Enzymes cont.**
production cont.
 wheat straw, utilization, *Trichoderma longibrachiatum* 438
- proteinases**
 characteristics
 feeds, contamination, *Vibrio*, determination 647
 milk, contamination, *Vibrio*, determination 647
 keratin, biodegradation, *Streptomyces fradiae* 1812
 Methanococcus jannaschii, methane production, continuous culture 1552
- reductases, phenolic compounds**, biodegradation, *Pseudomonas* 1031
- temperature**
 tolerance
 Allesheria terrestris 1170
 Trichoderma reesei 1170
- Thermoanaerobacterium saccharolyticum*, genetics** 1790
- thiosulfates, oxidation, heterotrophic microorganisms, bacteria** 1077
- triacylglycerol lipase**
 activity, thermophilic bacteria, Iceland 1799
- Candida**
 fatty acid esters, production 1173
 surfactants, production 1173
 immobilization, supports, activity,
 Candida cylindracea, triacylglycerides, hydrolysis 1040
- waste water treatment, phosphates, removal, bacteria 2540
- xylan, biodegradation, *Bacillus*, pH 2550
- xylanase
 Bacillus 2508
 induction, carbohydrates, *thermoascus aurantiacus* 2566
 production
 Aspergillus nidulans 598
 Thermomyces lanuginosus 595
 stability, xylan, biodegradation,
 Thermomyces lanuginosus 1817
- xylanases
 Aspergillus sydowii 599
 production, xylose, utilization, *Bacillus stearothermophilus* 1604
 rice straw, utilization, *Aspergillus fumigatus* 1590
 wood pulp
 biodegradation, *Bacillus stearothermophilus* 1604
 bleaching 1738
 decolorization, *Bacillus stearothermophilus* 1746
 xylose isomerase, activity, stability, pH, *Lactobacillus brevis* 1786
- Ephestia cautella*, raisins, stored products pests**, South Africa 135
- Epicoccum nigrum*, melons, storage decay** 739
- EPTC**, residues, soil, biodegradation, microbial activities 468
- Equipment**
 biodegradation, soil, measurement 305
 composting, poultry manure, environmental impact 556
 samplers, microorganisms, aerosols 624
 wastes, biological treatment, composting 340
- Eremothecium ashbyii***
 riboflavin
 production
 lentils, utilization 1538
 molasses, utilization 1538
- Ergosterol**
 production
 feeds
 contamination
 moulds 1902
 yeasts 1902
- Ergot alkaloids**, feeds, determination, liquid chromatography 677
- Erwinia carotovora*, Capsicum, storage decay**, temperature 134
- Erythritol**
 production
 glucose, utilization, *Trichosporonoides* 1548
 sucrose, utilization, *Trichosporonoides* 1548
- Escherichia coli***
 amylases, starch, utilization, genetic engineering 1041
 antibacterial agents, heterocyclic compounds 1354
 antibiotics, production 2499
 beef, bacterial toxins, production, immunoblotting 680
 characterization, meat products 763
 cheeses, detection, USA 1332
 chromium, reduction 1687
 chromosome translocation
 Bacillus stearothermophilus
 benzene, biodegradation 2211
 phenols, biodegradation 2211
 toluene, biodegradation 2211
- control
 cider
 potassium sorbate 1974
 sodium benzoate 1974
- copper, tolerance 834
- curd, microbial contamination, India 209
- detection 2588
- determination, faecal coliforms, coliforms, sea water, techniques 1865
- drinking water, enumeration 34, 1220
- enzymes, genetics 585
- foods
 contamination
 detection 190
 enumeration 1253
 detection, reviews 1831
 enumeration 676
- genetically engineered microorganisms, sewage, biological treatment, activated sludge 2141
- glucose, utilization, ethanol production, acetic acid, pH, effects 2176
- hexoses, biodegradation, ethanol production 2183
- inactivation
 hydrogen peroxide 256
 ultraviolet radiation 256
- inhibition
 acetates 830
 antibacterial agents, phenethyl alcohol 808
 by *Bacillus polymyxa* 1350
 ethanol, salts, effects 1364
 glycine, derivatives, antibacterial properties 825
- meat, enumeration 676
- meat products
 contamination 762
 estimation 172
 food poisoning, USA 752
- milk, fruit juices, enumeration 673
- milk products
 contamination, detection 190
 microbial contamination, Croatia 191
- nitrate reductase, genetics 577
- pathogens
 bathing water, identification, serotypes 663
 drinking water, identification, serotypes 663
- pentoses, biodegradation, ethanol production 2183
- polyhydroxylkanoate, production, molecular biology 2518
- salads, beef, pH, temperature, acidulants 1924
- starvation, adhesion, beef 1318
- sterilization
 pressure 813
 temperature 813
- verocytotoxins, production, ground beef, contamination, Italy 54
- viability, sea water, phosphates, enhancement 1380
- waste paper, utilization, ethanol production 433
- waste water, disinfection 1368
- Escherichia coli* cont.**
 water
 detection 2585
 polymerase chain react 2581
 reviews 1831
- xylose, utilization, ethanol production, acetic acid, pH, effects 2176
- Essential oils**, *Daucus carota*, *Cyamopsis tetragonoloba*, seeds, *Aspergillus flavus*, control, India, Uttar Pradesh 1966
- Estuaries**
 methyl sulfide, biodegradation, amendments, USA, Georgia 2375
 oil spills, biodegradation, bacteria, Canada 1008
- petroleum hydrocarbons, biodegradation, bacteria, Argentina 2278
- Ethanol**
 fermentation, *Saccharomyces cerevisiae*, biological fixed-film systems, design, carbon dioxide, production 1100
 inhibition, *Escherichia coli*, salts, effects 1364
 production
 cotton waste 422
 xylose, fermentation, *Clostridium thermosaccharolyticum* 507
 starch, utilization, *Aspergillus awamori*, *Zymomonas mobilis*, immobilization 461
- Ethanol production**
 amino acids
 production
 cellulosic wastes, microbial degradation, reviews, USSR 988
 lignocellulosic wastes, microbial degradation, reviews, USSR 988
- barley, utilization, *Saccharomyces cerevisiae*, genetic engineering 2181
- bioreactors
 design 926
 Saccharomyces cerevisiae, cells, immobilization, carriers, plant residues 1612
- carbon dioxide
 utilization
 Clostridium ljungdahlii 2461
 reviews 2188
- carbon monoxide, utilization, *Clostridium ljungdahlii* 2461
- carobs, fruits, utilization, *Saccharomyces cerevisiae* 1551
- cassava, utilization, *Saccharomyces cerevisiae*, genetic engineering 2180
- cassava starch
 saccharification
 fermentation
 Rhizopus, bioreactors 1659
 Saccharomyces cerevisiae, bioreactors 1659
- cellulose, hydrolysates, fermentation, *Zymomonas mobilis* 2259
- cellulosic wastes
 microbial degradation, reviews, USSR 988
 utilization, reviews 2188
- food processing, bananas, wastes, fermentation 1721
- furfural, biodegradation, *Desulfovibrio furfurialis*, detection, nuclear magnetic resonance 619
- gases, lignocellulose, biological treatment 986
- glucose, utilization, *Escherichia coli*, acetic acid, pH, effects 2176
- hexoses, biodegradation, *Escherichia coli* 2183
- hydrogen, utilization, *Clostridium ljungdahlii* 2461
- inhibition, *Saccharomyces cerevisiae*, furfural 1546
- jerusalem artichokes, fermentation, *Kluveromyces marxianus*, Portugal 379
- levoglucosan, wood tar, yeasts 1611
- lignocellulosic wastes
 fermentation, hemicelluloses, utilization, yeasts 1583

- Ethanol production cont.**
lignocellulosic wastes *cont.*
 microbial degradation, reviews, USSR 988
maize, utilization, *Saccharomyces cerevisiae*, genetic engineering 2181
organic wastes, anaerobic digestion, kinetics, mathematical models 915
pentoses, biodegradation, *Escherichia coli* 2183
rice, utilization, *Saccharomyces cerevisiae*, genetic engineering 2181
Saccharomyces cerevisiae 1547
sorghum stalks
 fermentation
 Fusarium oxysporum 2179
 Saccharomyces cerevisiae 2179
starch
 contamination, control, food additives, natural 1727
 utilization, reviews 2188
sucrose, *Zymomonas mobilis* 2428
sugarcane juice
 fermentation
 Saccharomyces uvarum 377
 Zymomonas mobilis 377
waste paper, utilization, *Escherichia coli* 433
wheat straw, upgrading, fungi 948
xylose
 fermentation
 Candida shehatae, inhibition, organic compounds 1584
 Pichia stipitis, inhibition, organic compounds 1584
 utilization, *Escherichia coli*, acetic acid, pH, effects 2176
- Ethanolamine**, uptake, *Pseudomonas pseudoalcaligenes*, pH 582
- Ethene**, biodegradation, *Mycobacterium* 2279
- Ethylbenzene**, biodegradation, groundwater, Netherlands 1628
- Ethylene**
 landfills, bioremediation, mycorrhizal fungi 2164
 production, anaerobic conditions, poultry litter, amendments, soil, USA 555
- Ethylene diamine tetraacetate**, photoprocessing waste waters, activated sludge, effects, USA 2434
- Ethylene glycol**, biodegradation, soil, subsurface 2240
- Ethylpyridines**, biodegradation, microorganisms 2213
- Eubacterium**, iron, oxidation 477
- Eucalyptus saligna**, biomass, utilization, energy, production, economic analysis, models 1555
- Euglena pedunculata**, extracellular fluids, lakes, India 2005
- Eupenicillium**, petroleum hydrocarbons, biodegradation, Indonesia 596
- Europe**
 anaerobic digestion, reviews 426
 biogas, production, landfills, reviews 562
 lignocellulosic wastes, biodegradation, reviews 426
 refuse, composting, legislation, reviews 1462
 wood, *Serpula lacrimans* 1946
- European Communities**
 food hygiene 654
 meat products, microbial contamination, legislation 761
- Europium**, immobilization, *Datura innoxia*, cells 2379
- Eutrophication**
 algae, proliferation, reservoirs, Czech Republic 2028
 algal blooms, *Uroglena americana*, lakes, Japan 1400
 control
 reservoirs
 phosphorus removal
 sewage, South Africa 1713
 waste water, South Africa 1713
 lakes, phosphorus, release, dynamic models, Japan 1715
- Eutrophication cont.**
 management, lakes, mathematical models 849
 nutrients, reservoirs 2383
 organic compounds, reservoirs 2383
 phosphorus
 levels, inhibition, algae, reservoirs, Czech Republic 2412
 reservoirs, Czech Republic 2411
 Phragmites australis, productivity, nitrogen, lakes, Germany 610
 reservoirs
 cyanobacteria, Czech Republic 2029
 drinking water, contamination, Czech Republic 2030
 mathematical models, phosphorus, algal blooms, estimation, Brazil 1714
 water pollution, algal blooms 297
 water quality, algal blooms 297
- Ewe milk**, milking machines, microbial contamination, sterilization, detergents 200
- Explosives**
 bacteria, bioremediation 1693
 biodegradation
 Phanerochaete chrysosporium 2207
 Pseudomonas 2206
 organic compounds, biological treatment 973
 polluted soils, bioremediation, composting 313
- Exuviaella cordata**, algal blooms, Black Sea, toxicity 1919
- Faecal coliforms**
 coliforms, *Escherichia coli*, determination, sea water, techniques 1865
 drinking water 31
 lakes, South Africa 2017
 removal
 performance, waste water treatment, soil 930
 ponds
 sewage, treatment 360
 waste water treatment
 comparison, Kenya 1494
 mathematical models 1488
 sewage, treatment, upgrading, USA 2492
 waste water treatment
 lagoons, design 364
 ponds, irrigation water 1522
- runoff**, groundwater, microbial contamination, USA 296
- survival**, waste water treatment, ponds, natural light, effects 1493
- Faecal flora**, water quality, rivers, biological indicators, sewage, pollution, USA 2015
- Fagus crenata**
 biodegradation
 Chaetomium 989
 Graphium 989
 Xylaria 989
- Farms**, large farms, animal wastes, biogas production, Germany 384
- Farmyard manure**
 biogas, production, anaerobic digesters, design, Czech Republic 955
 treatment, anaerobic digestion, application to land 539
- Fatty acid esters**, production, triacylglycerol lipase, *Candida* 1173
- Fatty acids**
 analysis, activated sludge, foaming, bacteria 2128
 antifungal agents, production, *Bacillus subtilis* 248
 biodegradation
 polyhydroxyalcanoate, production, *Syntrophomonas wolfei* 2310
 sediment, fish farming, marine environment, antibacterial agents, control 2311
 effects
 anaerobic digestion 1039
 nitrification, activated sludge 2395
 inhibition, sewage sludge, anaerobic digesters 1502
 production
 Mortierella alpina 1162
- Fatty acids cont.**
 production *cont.*
 sludges, primary, aerobic digestion 2097
 utilization, polyhydroxyalcanoate, production, *Pseudomonas putida* 2309
 waste water treatment, anaerobic digestion, pH 918
- Feed supplements**, leather, wastes, granules, utilization, fungi, growth 2172
- Feeds**
 aflatoxins
 determination 1261
 detoxification 64
 estimation, reviews 55
 extraction 696
 USA, reviews 78
 animal wastes, application, reviews, India 927
 biomass, production, piggy effluent, treatment, algae, macrophytes 2174
 cassava
 bacteriology
 China 1265
 Indonesia 1265
 cattle
 contamination
 aflatoxins 83
 ochratoxins 83
 contamination
 aflatoxins
 books 645
 Germany 56
 poultry, poisoning 80
 moulds
 ergosterol, production 1902
 immunoassay 670
 ochratoxins, livestock, effects, reviews 72
 Salmonella, Poland 1903
 Vibrio, proteinases, characteristics, determination 647
 vomitoxin, livestock, effects, reviews 72
 yeasts, ergosterol, production 1902
 zearelenone, livestock, effects, reviews 72
- digestibility**
 wheat straw
 microbial contamination
 aflatoxins 73
 citrinin 73
 ochratoxins 73
 patulin 73
 penicillic acid 73
 sterigmatocystin 73
 ergot alkaloids, determination, liquid chromatography 677
 fish feeding, contamination, aflatoxins, inactivation, bentonite, additives 1264
- fumonisins**
 estimation, reviews 55
 USA, reviews 78
- mycotoxins** 684, 1194
 analytical methods, reviews 1217
 assays, standardization 61
 Canada, reviews 77
 detection, bioassays 660
 inactivation 65
 Poland 81
 ochratoxins, USA, reviews 78
 poultry, microbial contamination, *Streptomyces*, enzyme activity, control, irradiation, Egypt 82
- production**
 cassava peel, fermentation, *Rhizopus* 1537
 cotton waste, upgrading, *Pleurotus ostreatus* 1541
 grape pomace
 upgrading
 Candida utilis 943
 Chaetomium cellulolyticum 943
 industrial wastes, effluents, *Geotrichum candidum* 533
 lignocellulosic wastes, biodegradation, *Pleurotus* 1603

- Feeds cont.**
- production cont.
 - maize stover
 - upgrading
 - Candida utilis* 943
 - Chaetomium cellulolyticum* 943
 - pig manure, *Spirulina maxima* 1120
 - pig slurry
 - aerobic treatment 1766
 - Candida tropicalis* 1766
 - plant residues, biodegradation, *Pleurotus* 1603
 - wheat straw
 - biodegradation, *Aspergillus*, bioreactors, design 940
 - fermentation, fungi 1586
 - upgrading, *Pleurotus sajor-caju* 2168
 - wood
 - biodegradation
 - Ganoderma australe*, Chile 938
 - Phlebia chrysocrea*, Chile 938
 - Salmonella*, control, antibiotics 84
 - single cell protein, sources, reviews 939
 - sugarcane bagasse, upgrading 2167
 - toxigenic fungi, Nigeria 79
 - vomitoxin
 - estimation, reviews 55
 - USA, reviews 78
 - zearalenone
 - estimation, reviews 55
 - USA, reviews 78
- Fermentation**
- food processing
 - bananas
 - wastes
 - ethanol production 1721
 - lactic acid, production 1721
 - volatile fatty acids, production 1721
 - molasses
 - butanol, production, *Clostridium*, immobilization, alginates 1544
 - isopropyl alcohol, production, *Clostridium*, immobilization, alginates 1544
 - olive oil, production, effluents, *Pseudomonas* 2329
 - yeasts, biomass, monitoring, spectroscopy 1836
- Fermentation products**
- bioreactors
 - control, mathematical models 508
 - microbial contamination, control 1729
- Fermented foods**
- cereals, mycotoxins 691
 - maize, doughs, microbial flora, Mexico 1906
 - sausages
 - Lactobacillus*, starters 1319
 - Micrococcus*, starters 1319
 - Pediococcus*, starters 1319
- Fertilizers**
- bacteria, oil spills, bioremediation, USA, Alaska 308
 - coastal areas, algae, eutrophication, models, USA, Alaska 308
 - mycorrhizas, India 2381
 - nitrogen fixing bacteria, India 2381
 - poultry, carcasses, composting, USA, Alabama 1530
 - production, grape vines, crop residues, anaerobic digestion 2149
 - sewage sludge, forests, Canada, reviews 561
- Fibrobacter succinogenes**
- maize stover, biodegradation, interactions 418
 - wheat straw, biodegradation, interactions 418
- Filters**
- materials, microorganisms, adhesion, biofilms, formation, biological filtration 904
 - media, poly(vinyl chloride), chlorhexidine digluconate, removal, waste water, biological filtration 347
- Finland**, cattle dung, abattoirs, meat hygiene, legislation 754
- Fire retardants**, biodegradation, reservoirs, sediment, USA 1033
- Fish**
- amines, production, bacteria 749
 - animal wastes, pathogens, transmission, ponds, aquaculture 1854
 - bacteria
 - heat treatment, survival 745
 - histamine 746
 - bacterial count, control, carbon dioxide 1307
 - contamination, *Vibrio parahaemolyticus*, India 1313
 - fat, *Gracilaria verrucosa*, lectin, *Chattonella antique*, growth, inhibition 1402
 - fish culture, waste water, recycling, ponds, microbial contamination, Developing Countries 1312
 - flours, waste water treatment, anaerobic digestion 2157
 - microbial contamination 36
 - control, *Carnobacterium* 150
 - ponds
 - fresh water, microbial contamination, India 142
 - sewage effluent, microbial contamination, India 142
 - sewage, pathogens, transmission, ponds, aquaculture 1854
 - suspended solids, removal, waste water, ponds 1482
 - Vibrio cholerae*, survival 1203
 - wastes, composting, bulking agents 1460
- Fish culture**, waste water, recycling, ponds, fish, microbial contamination, Developing Countries 1312
- Fish farming**
- formaldehyde, biodegradation 463
 - hatcheries, waste water, aerobic treatment 879
- Fish farms**
- organic matter, biodegradation, bacteria 1534
 - water quality, microbial contamination, UK 1533
- Fish pastes**, pressure treatment, microorganisms, survival 814
- Fish ponds**
- carp, vitamin B12, production, bacteria 2161
 - nitrogen, cycling, microbial degradation, mathematical models 2387
- Fish products**, microbial contamination 36
- Flavobacterium**
- azo compounds, biodegradation, peroxidases, characterization 2214
 - dyes, biodegradation, peroxidases, characterization 2214
 - pentachlorophenol, biodegradation, arsenic, inhibition 1037
- Flax**
- retting
 - enzymes 1111
 - waste water, biological treatment 1111
- Flexibacter flexis**, isolation, sewage, *Oscillatioria williamsii*, lysis, Kuwait 2526
- Flexibacter sancti**, isolation, sewage, *Oscillatioria williamsii*, lysis, Kuwait 2526
- Flocculants**, production, *Rhodococcus erythropolis* 877
- Flour mills**, maize, food hygiene, Italy 706
- Flours**
- contamination
 - Bacillus cereus*, Sicily 92
 - microorganisms, food hygiene, reviews 668
 - fungi, enumeration, culture media 1238, 1272
 - production, wheat, microbial contamination, Italy 1908
- Fluidized beds**
- algae, removal, effluents, ponds, waste water treatment, upgrading 1490
 - anaerobic conditions, organic matter, lactate, biodegradation, sulfate reducing bacteria 2497
 - biological, control, distillery effluent, anaerobic treatment, dynamic models 1509
- Fluidized beds cont.**
- biological treatment
 - chemical industry, waste water 1735
 - drugs, production, waste water, anaerobic conditions, design 1458
 - yeast sludge, production, waste water, anaerobic conditions, design 1458
 - bioreactors, coal, liquification, hydrodynamics 2462
 - granular activated carbon
 - biological treatment
 - benzene, removal, groundwater, oxygen, nutrients 1641
 - toluene, removal, groundwater, oxygen, nutrients 1641
 - xylene, removal, groundwater, oxygen, nutrients 1641
 - landfill leachates, organic compounds, removal, activated carbon, biofilms 322
 - nitrate reduction, chlorophenols, biodegradation, biological treatment 2302
 - olive oil, production, waste water, aerobic treatment 504
 - waste water, anaerobic treatment, Brazil, performance 1451
 - winemaking residues, anaerobic treatment 1443
- Fluorene**, biodegradation, *Pseudomonas putida* 1638
- 1-4-Fluorophenyl-4-butyl-1-one**, reduction, microorganisms 568
- Foaming**, activated sludge, *Nocardia amarae*, control, hypochlorites, Hong Kong 2138
- Fomitopsis pinicola**, timbers, resistance, Taiwan 228
- Food**
- contamination
 - bacteria, control, carbon dioxide 1365
 - enhancement, bacterial spores, adhesion, surfaces, reviews 1234
 - microbial contamination, control 1230
 - microbial flora, detection, luminescence 1229
 - spoilage, microorganisms, saline 2532
 - yeasts, enumeration, culture media 1243
- Food additives**, polyphosphates, *Listeria monocytogenes*, inhibition 260
- Food biotechnology**, carboxylic ester hydrolyses, production, microorganisms, reviews 567
- Food contamination**
- bacteria, assessment 20
 - foods, distribution, insect pests, reviews 291
- Food hygiene**
- bacteria, assessment 20
 - cereal grains, contamination, microorganisms, reviews 668
 - European Communities 654
 - flour mills, maize, Italy 706
 - flours, contamination, microorganisms, reviews 668
 - foods, preparation, Spain 1860
 - ham, contamination, *Salmonella typhimurium*, food poisoning, UK 1213
 - legislation, Japan 1202
 - microbial contamination, techniques, determination 1863
 - pest control 35
 - shrimps, microbial contamination, Senegal 1309
 - USA 19
- Food industry**
- biotechnology, microbiology 1226
 - fungicides 817
 - microbial contamination 1227
 - control 1228
 - waste water, biological treatment, India 503
 - water purification, filters, microbial contamination, bacteria 33
- Food irradiation**
- control, poultry meat, contamination, microorganisms, cold storage 1358
 - reviews 250

- Food microbiology**
 frozen foods, assessment, Spain 6
 prediction, models, reviews 1874
 quality controls, standards 1
- Food poisoning**
 bacterial toxins, *Staphylococcus aureus* 1210
 botulism, olives, *Clostridium botulinum*, Italy 1859
 enterotoxins, *Staphylococcus aureus*, detection, Cuba 1258
 epidemiology, reviews 655
 foodborne diseases, reviews 1195
 ham, contamination, *Salmonella typhimurium*, food hygiene, UK 1213
 meat products
 contamination, *Salmonella mikawasima*, UK 1214
Escherichia coli, USA 752
 mussels
 bacteria, reviews 288
 pathogens, reviews 288
 viruses, reviews 288
 ochratoxins, Czech Republic 682
 oysters, *Campylobacter jejuni*, USA 747
 reviews 13
Salmonella enteritidis, Italy 8
 shellfish
 contamination, *Prorocentrum lima* 1918
Placopeltis magellanicus, *Dinophysis norvegica*, toxins, Canada 1917
 Sweden 11
- Food preservatives**
 control, patulin, production, *Penicillium expansum* 68
 potassium sorbate, jams 1915
 production, microorganisms, books 1201
 sodium benzoate, jams 1915
- Food processing**
 bananas
 wastes
 fermentation
 ethanol production 1721
 lactic acid, production 1721
 volatile fatty acids, production 1721
 food safety, reviews 1875
 microbiology, evaluation 45
 poultry, carcasses, microbial contamination, USA 1323
 salads, lettuces, bacterial count 1303
 wastes, composting, USA 2106
- Food products**, contamination, *Staphylococcus aureus*, enterotoxins 50
- Food quality**, shrimps, microbial contamination, Senegal 1309
- Food safety**
 food processing, reviews 1875
 mycotoxins, reviews 71
- Food spoilage**, yeasts, reviews 1876
- Food storage**, pest control 35
- Food wastes**
 composting, USA 890
 composts, nitrogen 1469
 pest control 35
 topsoil, composting 888
- Foodborne diseases**
Bacillus cereus 1856
 food poisoning, reviews 1195
 meat, *Listeria monocytogenes* 1990
 monitoring 12
 Norway 3
 poultry, *Listeria monocytogenes* 1990
 reviews, UK 14
Salmonella, UK, reviews 24
 Saudi Arabia 21
 viruses, reviews 828
- Foods**
Aeromonas
 classification 625
 cytotoxic compounds, production 51
 aflatoxins 1262
 estimation, reviews 55
Bacillus coagulans
 spores
 heat resistance
 pH 280
 water content 280
 bacteria, detection, flow cytometry 659
- Foods cont.**
 bacterial toxins, detection, ELISA 2577
Brochothrix, detection 1218
Clostridium botulinum
 detection 46
 spores, heat treatment, survival 832-833
Clostridium perfringens
 public health, reviews 1855
 volatile fatty acids, production, enterotoxins, production, differentiation 1374
 contamination
 aflatoxins, *Aspergillus*, control, acids 816
Campylobacter jejuni, detection, culture media, agar, comparisons 1254
 coliform bacteria, enumeration 1253
Enterococcus, identification 2000
Escherichia coli, enumeration 1253
 listeriolysin, production, *Listeria monocytogenes*, genetics, Taiwan 1852
 moulds, immunoassay 670
 ochratoxins, Germany 1900
 pathogens, detection 190
Salmonella, supermarkets, Mexico 656
Streptococcus, identification 2000
 toxins, reviews 70
 distribution, food contamination, insect pests, reviews 291
Escherichia coli
 detection, reviews 1831
 enumeration 676
 fumonisin, estimation, reviews 55
 fungi
 Australia, specifications 1231
 culture media, performance, techniques, monitoring 1237
 detection 1240, 1252
 guidelines 1841
 enumeration 1242
 comparisons 1241
 xerophytes, enumeration, culture media 1249
 handling, health hazards, recommendations 1232
 health hazards, UK 669
 keeping quality, monitoring 1235
 liquids, microorganisms, sampling, computer simulation 25
Listeria
 association, *Hansenula anomala*, recovery 675
 identification 1885
 inhibition, sodium chloride 821
Listeria monocytogenes 37
 determination, gene probes 1887
 legislation, Spain 1848
 nisin, resistance 649
 virulence, health hazards, reviews 1205
 microbial contamination
 Clostridium, identification, test kits 2583
 control
 disinfectants, reviews 1979
 radiation 1970
 USA 809
Listeria monocytogenes, Italy 1204
 microorganisms, detection 40
 moulds, detection 1890
 Mucorales, detection, reviews 1250
 mycotoxins 684
 assays, standardization 61
 inactivation 65
 Italy, reviews 694
 occurrence 62
 public health 683
 risk, assessment 63
Neosartorya, heat resistance, identification 1386
 packaging, microbial contamination, control 49, 1877
 preparation, food hygiene, Spain 1860
 preservation, microbial contamination, control 49
 safety, biotechnology 657
- Foods cont.**
Salmonella
 detection 39, 1886
 DNA probes 623
 ELISA 1239
Salmonella enteritidis
 isolation 2582
 survival, temperature, enumeration 1378
 salmonellosis, control 1209
 samples, *Listeria monocytogenes*, characterization, fragment length polymorphism, DNA probes 4
 selenium, determination, assays, *Escherichia coli*, enzymes 48
Staphylococcus, enterotoxins, detection 679
 surfaces, yeasts, separation, techniques 1881
Vibrio cholerae, survival 1203
 vomitoxin, estimation, reviews 55
 yeasts
 enumeration
 comparisons 1241
 culture media 1880
 identification 1244-1245, 1879
 antigens, ELISA 1883
 fatty acids, profiles, South Africa 1882
 isolation, culture media 1880
Yersinia enterocolitica 1216
 zearelenone, estimation, reviews 55
Zygosaccharomyces rouxii, isolation, culture media 1248
- Forest litter**
 biodegradation
 Isopoda 611
 ponds, fungi 1606
- Forest soils**
 application, sewage sludge, composts, environmental impact 560
 dissolved organic carbon, biodegradation, drainage water, France 405
 glucose, biodegradation, microorganisms, USA 458
 phenolic acids, biodegradation, microorganisms, USA 458
- Forests**, sewage sludge, fertilizers, Canada, reviews 561
- Formaldehyde**
 antibacterial properties, *Pseudomonas aeruginosa*, assessment 1353
 biodegradation
 bacteria, salt tolerance 1573
 fish farming 463
- France**
 carbofuran, biodegradation, soil, microorganisms 1047
 drinking water, treatment, biological filtration, activated carbon, microorganisms, colonization 2452
 gravel pits, lakes, denitrification 1703
 milk, aflatoxins, monitoring 772
 shellfish, pathogens 146
- Francisella*, detection, DNA probes 831
- Freezing**, strawberries, *Saccharomyces cerevisiae*, inactivation 1359
- Fresh water**
Listeria, UK 295
 mercury, uptake, bacteria, USA 1681
 ponds, fish, microbial contamination, India 142
 toxins, production, cyanobacteria, Japan 1396
- Frozen foods**, food microbiology, assessment, Spain 6
- Fruit**
 bacteria, identification 118
 biodegradation, biogas, production, anaerobic digestion, Switzerland 1516
 microbial degradation, reviews 1916
 microbiology, reviews 1916
 spoilage, reviews 1916
- Fruit crops**
 damage, cold storage, *Rattus rattus*, control 1395
 microbial degradation, reviews 1916
 microbiology, reviews 1916
 spoilage, reviews 1916
- Fruit drinks**, yeasts, sorbic acid, resistance 1281

- Fruit juices**
 contamination, *Talaromyces trachyspermus*, control, heat treatment 727
 fungi, detection 1286
 milk, *Escherichia coli*, enumeration 673
Neosartorya
 heat resistance 1387
 spore germination 1387
yeasts
 Australia, specifications 1282
 identification, culture media 1246
Fruit pulp, raspberries, thermophilic fungi, detection, sample pretreatment 1289
Fucus serratus, heavy metals, removal, industrial wastes, waste water 1065
Fuel cells, microbial, carbohydrates, utilization, *Proteus vulgaris* 2187
Fuel oils
 hopanes, biodegradation 1005
 soil, contamination, bioremediation 1420
Fuels
 biogas, production, biotechnology, reviews 2190
 hydrogen, production, biotechnology, reviews 2190
 lignite, conversion, fungi 2469
 lignocellulosic wastes, biodegradation, Canada, reviews 987
 methane production, biotechnology, reviews 2190
 production
 carbon dioxide, utilization, reviews 2188
 cellulosic wastes, utilization, reviews 2188
 coal, depolymerization, microorganisms 2470
 glucose, cellulose, biodegradation, *Trichoderma reesei* 2177
 starch, utilization, reviews 2188
Fumaric acid, production, grape must, utilization, *Candida hydrocarbofumarica* 1529
Fumigation, dazomet, *Pseudotsuga menziesii*, wood preservation 1952
Fungi
 aluminium, bauxite, leaching 1068
 antifungal agents, assays 1390
 apples, storage decay, packing, control 733
 aromatic compounds, biodegradation, reviews 411
Aspergillus niger, enzyme activity, determination 2041
 barley, detection 1283
 barley straw, biodegradation, algae, growth, inhibition 2560
 beers, detection 1283
 benzene, utilization, soil 2269
 benzoates, biodegradation, reviews 411
 calcium oxalate
 monuments, reviews 1958
 stonework, reviews 1958
 cellulose, biodegradation, sugar, production 1585
 cereal grains
 contamination, food hygiene, reviews 668
 detection, culture media 1266
 enumeration, sample pretreatment 1247
 cereal products, enumeration, sample pretreatment 1247
Chaetomium trilaterale, enzyme activity, determination 2041
 coal
 depolymerization, reviews 2468
 solubilization
 measurement 534
 reviews 2466-2467
 coconuts
 aflatoxins, Egypt 738
 ochratoxins, Egypt 738
 comparison, bacteria, coal, solubilization 1756
 computer diskettes, biodegradation 1941
 control
 packaging materials, plastic film, mangoes 131
 polyethylene, barriers, poles, biodegradation, soil, South Africa 1339
Fungi cont.
 control cont.
 timbers, biodegradation, wood extracts 227
 wood preservatives 794
 cork, biodegradation 213
 cyanogens, removal, cassava, fermentation 2557
 d-malic acid, production, reviews 1082
 detection, antibodies 1251
 dried fruit, detection 1299
Emericella nidulans, enzyme activity, determination 2041
 enzymes
 production
 cellulose, biodegradation 1610
 lignin, biodegradation, reviews 2561
 flours
 contamination, food hygiene, reviews 668
 enumeration, culture media 1238, 1272
 foods
 Australia, specifications 1231
 culture media, performance, techniques, monitoring 1237
 detection 1240, 1252
 guidelines 1841
 enumeration 1242
 comparisons 1241
 forest litter, biodegradation, ponds 1606
 fruit juices, detection 1286
 fumonisin, production, reviews 74
 grape juice, contamination, patulin, production 114
 growth, leather, wastes, granules, utilization, feed supplements 2172
 hazelnuts, spoilage, Turkey 1276
 isolation, lignite, coal, solubilization 2469
 kerosene, utilization, soil 2269
 lignin, biodegradation, enzyme activity 1600
 lignite
 conversion, fuels 2469
 solubilization, measurement 534
 lignocellulose, biodegradation 1818
Malbranchea pulchella, enzyme activity, determination 2041
 malt, detection 1283
 milk products
 enumeration 1242
 comparisons 1241
 muesli, biodegradation 1904
 museum specimens, restoration, materials, biodegradation 1341
 paintings, air spora, reviews 1956
 pastry, contamination, reviews, Morocco 714
 pentachlorophenol, biodegradation 1660, 2304
 pesticides, biodegradation, soil 2323
 petroleum hydrocarbons, utilization, soil 2269
 phosphate solubilizing microorganisms, rock phosphate, availability, soil, Thailand 566
 phosphates, solubilization, soil, reviews 2408
 polyhydroxyalkanoate, biodegradation, techniques, screening 2369
 rice, storage, mycotoxins 708
 solar, utilization, soil 2269
 species, enumeration, culture media 1279
 styrene, biodegradation, enrichment 1642
 sugarcane bagasse, utilization, proteins, production 2167
 survival, fish pastes, pressure treatment 814
 waste water, biological treatment, books 642
 wastes, biological treatment, books 642
 wheat straw
 biodegradation 429, 432
 carbon dioxide, release 981
 nutrients, release 981
 fermentation, feeds, production 1586
 upgrading, ethanol production 948
 wood, resistance, reviews 222
 wood chips, biodegradation, storage 214
Fungi cont.
 works of art, restoration, materials, biodegradation 1341
 xerophytes, foods, enumeration, culture media 1249
Fungicide tolerance, imazalil, *Penicillium*, apples, storage decay, Spain 829
Fungicides
Aspergillus flavus, aflatoxins 67
 food industry 817
Gibberella zeae
 diacetoxyscirpenol 67
 zearealenone 67
 2-phenylphenol, kiwifruits, storage decay, control 737
Trichoderma viride, citrus fruits, post-harvest decay, control 1352
Furfural, biodegradation, ethanol production, *Desulfobivrio furfuraceus*, detection, nuclear magnetic resonance 619
Fusarium
 maize, mycotoxins 96
 melons, postharvest decay, control 1298
 milk, Spain 195
 mycotoxins, Taiwan 692
 pectins, biodegradation, enzymes 606
 production
 mycotoxins
 wheat, contamination, Germany 695
 wheat bran, contamination, Germany 695
Fusarium culmorum
 mycotoxins
 barley, contamination, brewing quality 93
 wheat, contamination, brewing quality 93
Fusarium graminearum, determination 281
Fusarium moniliforme, maize, mycotoxins, production 1897
Fusarium oxysporum, sorghum stalks, fermentation, ethanol production 2179
Fusarium pallidioroseum, pectins, biodegradation, enzymes 606
Fusarium solani
 feeds, Nigeria 79
 pectins, biodegradation, enzymes 606
Galactans, cell walls, composition, bacteria, genera, identification 1801
Gamma radiation
 aflatoxins, control, groundnuts, contamination, *Aspergillus parasiticus* 718
 beef, *Listeria monocytogenes*, cook-chill system, growth 1922
 control, sausages, contamination, yeasts 1937
 poultry meat, USA, marketing 1938
 vegetables, preservation, Bangladesh 119
Ganoderma australe
 feeds, production, wood, biodegradation, Chile 938
 wheat straw, biodegradation 432
Ganoderma cordifolia, lignin, biodegradation, techniques 1166
Gardening, wastes, composting, USA 890
Gas production, polluted soils, aromatic hydrocarbons, removal, bioremediation 1405
Gases
 lignocellulose, ethanol production, biological treatment 986
 manufacture, phenols, biodegradation, *Pseudomonas* 1026
Gelatin, biodegradation, anaerobic treatment, *Thermobacteroides proteolyticus* 2101
Genes, bacteria, streptothrinicin, resistance, Netherlands 835
Genetic engineering
 antibiotics, production, *Bacillus subtilis* 1144
 barley, utilization, ethanol production, *Saccharomyces cerevisiae* 2181
 cassava, utilization, ethanol production, *Saccharomyces cerevisiae* 2180
Clostridium acetobutylicum, solvents, production, enzymes 969
 heavy metals, bacterial leaching 480
 maize, utilization, ethanol production, *Saccharomyces cerevisiae* 2181
 metals, bacterial leaching 480

- Genetic engineering** cont.
 rice, utilization, ethanol production,
Saccharomyces cerevisiae 2181
 starch
 utilization
Escherichia coli, amylases 1041
Talaromyces emersonii, amylases
 1041
 surfactants, production, *Bacillus subtilis*
 1144
- Genetic transformation**, electroporation,
Saccharomyces 279
- Genetically engineered microorganisms**
 bioremediation 1840
 biosafety, environment 826
 biotechnology, reviews 1132
 cellulose, biodegradation, environment,
 persistence 584
 coal, biodegradation, reviews 2473
Escherichia coli, sewage, biological treatment, activated sludge 2141
 halogenated hydrocarbons
 biodegradation 1840
Pseudomonas 2208
 heavy metals, biodegradation 1840
 lignocellulosic wastes, biodegradation
 1840
 nitrogen, biodegradation 1840
 petroleum hydrocarbons, biodegradation
 1840
Pseudomonas putida, sewage, biological treatment, activated sludge 2141
 release
 effects, environment 1372
 environment
 ethics, books 639
 guidelines, books 1847
 environmental impact 569, 1131
 books 640-641
 soil, bacteria, environmental impact
 272
 survival, aquifers, environmental impact, reviews 292
 soil, techniques, determination, reviews
 271
 sulfur, biodegradation 1840
- Genetics**
Aeromonas, chitinase 1134
 aromatic hydrocarbons, biodegradation,
Pseudomonas putida, oxygenases 2277
 cellulose, biodegradation, *Clostridium thermocellum* 1152
 chromosome analysis, aromatic hydrocarbons, biodegradation, *Pseudomonas putida* 1639
Clostridium botulinum, toxins 1988
 enzymes, phenolic compounds, biodegradation, *Rhizobium leguminosarum* 459
Escherichia coli
 enzymes 585
 nitrate reductase 577
 fragment length polymorphism
 environment, samples, *Listeria monocytogenes*, characterization, DNA probes 4
 foods, samples, *Listeria monocytogenes*, characterization, DNA probes 4
 human diseases, samples, *Listeria monocytogenes*, characterization, DNA probes 4
 gene sequencing, toxins, production, *Clostridium botulinum* 1895
 gene transfer, xylose, utilization, *Alcaligenes eutrophus* 2547
 genetic analysis, 2,4-D, biodegradation, *Alcaligenes eutrophus* 1667
 genetic code, aromatic hydrocarbons, biodegradation, *Pseudomonas putida*, enzymes 1640
 lactic acid bacteria, bacteriocins, reviews 1983
 methane, oxidation, bacteria, reviews 2500
 methanol, oxidation, bacteria, reviews 2500
Methylomonas, methanol, oxidation 1149
Methylophilus methylotrophicus, oxidoreductases 2523
- Genetics** cont.
 microbial activities, environment, effects 1785
 naphthalene, biodegradation, bacteria, polluted soils 2268
 ribosomal RNA
Nitrosococcus, phylogeny 1153
Nitrosolobus, phylogeny 1153
Nitrosomonas, phylogeny 1153
Nitrosospira, phylogeny 1153
Nitrovibrio, phylogeny 1153
Streptomyces reticuli, cellulase 586
Thermoanaerobacterium saccharolyticum, enzymes 1790
Trichoderma reesei
 cellulase, production 602
 β -glucosidase 605
- Geosmin**, production, Actinomycetales, temperature 277
- Geotrichum**, milk, Spain 195
- Geotrichum candidum**
 distillery effluent, anaerobic digestion, phenols, removal 2150
 ethanol production, levoglucosan, wood tar 1611
 industrial wastes, effluents, feeds, production 533
 phenolic compounds, biodegradation 2150
 sauerkraut, brine, enzymes, production 1096
- Germanium**, *Caulobacter*, adhesion, monitoring 1188
- Germany**
 animal wastes
 anaerobic digestion, biogas, production 388
 biogas, production, large farms 384
 aromatic hydrocarbons, soil 1015
 beers, contamination, ochratoxins 722
 biomass, utilization, energy, production 1554
 cereal grains, contamination, ochratoxins 89
 cheeses, microbial contamination 187
 chlorinated hydrocarbons, soil 1015
 dried fruit, aflatoxins, sampling 136
 dried milk, contamination, aflatoxins 56
 feeds, contamination, aflatoxins 56
 foods, contamination, ochratoxins 1900
 groundwater, bioremediation, reviews 2063
 hydrogen, production, microorganisms, reviews 383
 landfill leachates
 biological treatment
 economics 935
 processes, equations 1426
 reviews 2165
 microbial activities, heavy metals, inhibition, rivers, determination, amino acids 845
 milk
 contamination, aflatoxins 56
 microbial contamination 187, 193
 milk testing, microbial flora 188
Nitrovibrio, sandstone, historic buildings 257
 phosphates, removal, waste water, biological treatment, reviews 2406
 phosphorus
 immobilization
 microbial activities
 nitrates
 availability
 activated sludge 499
 sediment, water systems 499
- slurries
 anaerobic digestion, biogas, production 388
 biogas
 production
 anaerobic digesters
 economics 389
 operation, economics 390
 anaerobic digestion 391
- triazines, groundwater, bioremediation 1058
- wheat, contamination, mycotoxins, *Fusarium*, production 695
- Germany** cont.
 wheat bran, contamination, mycotoxins, *Fusarium*, production 695
Giardia, cysts, viability, drinking water 1867
Giardia lamblia
 surface water
 disinfection 1752
 legislation 1752
- Gibberella**, maize, mycotoxins 96
Gibberella fujikuroi
 maize, mycotoxins, production 686
 mussel processing wastes, gibberellic acid, production 2418
- Gibberella zae**
 diacetoxyscirpenol, fungicides 67
 mycotoxins
 barley, contamination, brewing quality 93
 wheat, contamination, brewing quality 93
 zearelanone, fungicides 67
- Gibberellic acid**, production, mussel processing wastes, *Gibberella fujikuroi* 2418
- Glass**, biodeterioration, microorganisms 258
- Gliocladium**, petroleum hydrocarbons, biodegradation, Indonesia 596
- Globe artichokes**, wastes, silage making 1123
- Gloeocephalum seprium**, control, timbers, biodeterioration, wood extracts 227
- Gloeocephalum trabeum**
 control, wood preservation, standards, Canada 230
- Hevea brasiliensis*, decay, resistance 215
- Pinus taeda*, resistance, wood preservation 791
- Gloeothecace**, polyhydroxyalkanoate, production, reviews 2514
- Gloeotrichia echinulata**, phosphorus, transfer, Sweden, sediment 2399
- Glomerula cingulata**
 avocados, postharvest decay, antifungal agents 1297
 control, packaging materials, plastic film, mangoes 131
- Glossaries**
 sewage, treatment, UK 2605
 waste water treatment, UK 2605
- Glucan 1,4- α -glucosidase**, production, fungi 1165
- Glucanobacter oxidans**, 2-phenylethanol, oxidation, phenylacetaldehyde, production 1568
- Glucans**
 biodegradation, *Bacillus* 1081
 production, whey, utilization, *Achromobacter delicatulus* 516
- Glucosamine**
 derivatives
 biodegradation, activated sludge 823
 production, chitin, antimicrobial properties 823
- Glucose**
 biodegradation
 biofilms, analysis 2088
 microbial flora, soil, Brazil 1571
 microorganisms, forest soils, USA 458
 supplements, pulp mill effluent, biodegradation, *Pseudomonas putida* 1110
 utilization
 erythritol, production, *Trichosporonoides* 1548
 ethanol production, *Escherichia coli*, acetic acid, pH, effects 2176
 sludges, bacteria, granules, growth, anaerobic digestion 366
- β -Glucosidase**, production, cellulose, hydrolysates, *Debaryomyces* 431
- Glutamine**, bioreactors, determination 1833
- Glutaraldehyde**, control, sugarbeet juice, contamination, *Leuconostoc* 715
- Glycerol**
 biodegradation, 1,3-propanediol, production, *Klebsiella pneumoniae* 2182
 production, *Saccharomyces cerevisiae*, genetics 2544

- Glycine**
derivatives
antibacterial properties
Escherichia coli, inhibition 825
Staphylococcus aureus, inhibition 825
- Goat meat**
bacteria, drug resistance 751
bacterial count, India 153
- Goat milk**, *Listeria monocytogenes*, control, lactoperoxidase 776
- Gold**, utilization, bacteria, storage 1064
- Gracilaria verrucosa**, lectin, fish, fat, *Chattonella antiqua*, growth, inhibition 1402
- Grain**, contamination, aflatoxins, *Aspergillus*-luis, control, acids 816
- Grain crops**, contamination, *Bacillus cereus*, Sicily 92
- Grain legumes**
insect pests
Callosobruchus maculatus 699
control, irradiation, reviews 249
laboratory tests, population dynamics 698
- seeds
microbial contamination
Aspergillus
control
flavones 1306
isoflavones 1306
Penicillium
control
flavones 1306
isoflavones 1306
- storage decay
Aspergillus
control
flavones 1306
isoflavones 1306
Penicillium
control
flavones 1306
isoflavones 1306
- stored products pests
Callosobruchus maculatus 699
control, irradiation, reviews 249
laboratory tests, population dynamics 698
- Gram negative bacteria**
bacterial toxins, structure activity relationships, determination, electron microscopy, reviews 1259
- endotoxins, structure activity relationships, determination, electron microscopy, reviews 1259
- genes, nomenclature, methanol, oxidation 2326
- ham, contamination 760
- meat products, contamination, control 1935
- polluted soils, metals, uptake 2347
- sewage, metals, uptake 2347
- survival, fish pastes, pressure treatment 814
- tetrachloroethylene, biodegradation 2378
- Gram positive bacteria**
identification 630
- sulfur, reduction, aerobic conditions 1695
- survival, fish pastes, pressure treatment 814
- Grana cheese**
contamination, microorganisms, prevention, reviews 779
- defects
gases
Clostridium, control 778
lactic acid bacteria, control 778
propionic acid bacteria, control 778
- Grape juice**
contamination, patulin, production, fungi 114
- moulds, heat resistance 1285
- Grape must**, utilization, fumaric acid, production, *Candida hydrocarbofumaria* 1529
- Grape pomace**
upgrading
feeds
production
Candida utilis 943
- Grape pomace** cont.
upgrading cont.
feeds cont.
production cont.
Chaetomium cellulolyticum 943
- Grape residues**
fermentation
Agrocybe aegerita, digestibility 944
Armillaria mellea, digestibility 944
Pleurotus ostreatus, digestibility 944
- Grape vines**, crop residues, anaerobic digestion, fertilizers, production 2149
- Grapes**, damage, cold storage, *Rattus rattus*, control 1395
- Graphium**, petroleum hydrocarbons, biodegradation, Indonesia 596
- Grass clippings**, composting, USA 2107
- Grasses**, cattle slurry, biogas, production, anaerobic digestion 548
- Gravel pits**, lakes, denitrification, France 1703
- Greece**
Patra, olive oil, mills, waste water treatment, anaerobic digestion 1098
cereal grains, stored products pests, control 90
refuse, composting 1127
- Green manures**
cyanobacteria, deserts, bioremediation, reviews 317
- production
anaerobic digestion, animal manures, industrial wastes, refuse, Denmark 1515
animal manures, biodegradation, reviews 2186
- crop residues, biodegradation, reviews 2186
- human faeces, biodegradation, reviews 2186
- methane production, reviews 2186
- organic wastes, biodegradation, reviews 2186
- plant residues, biodegradation, reviews 2186
- refuse, biodegradation, reviews 2186
- Greenhouse gases**
production
landfills
microbial activities 372
microbiology 372
- waste disposal sites
microbial activities 372
microbiology 372
- Groundnut flour**, contamination, aflatoxins 1901
- Groundnut oilmeal**, moisture content, aflatoxins, control, heat treatment 104
- Groundnuts**
aflatoxins
Brazil 719
control
reviews 108
sodium orthophenylphenoxide 719
- estimation 105
- contamination
aflatoxins 1901
Brazil 1909
estimation
ELISA 1275
sampling, USA 107
- production, *Aspergillus parasiticus*, control, gypsum 717
- Aspergillus parasiticus*, aflatoxins, control, gamma radiation 718
- mycotoxins, Israel 106
- stored products pests
Callosobruchus subinnotatus, controlled atmospheres, inert gases 1973
- resistance 716
- Groundwater**
alachlor, decomposition, bacteria 843
- aromatic compounds, microbial degradation, reviews 974
- benzene, removal, biological treatment, fluidized beds, granular activated carbon, oxygen, nutrients 1641
- bioremediation, Germany, reviews 2063
- Groundwater** cont.
chlorinated hydrocarbons, microbial degradation, reviews 974
- denitrification
biological treatment 1707
- bioremediation 1707, 2073
- halogenated aliphatic herbicides, microbial degradation, reviews 974
- microbial contamination
health hazards 2022
- runoff, faecal coliforms, USA 296
- septic tank effluents 2023
- techniques, analysis, sampling 2024
- nitrates
pollution, septic tank effluent, disposal, USA 1088
- removal, bioreactors, anaerobic treatment 2454
- organic compounds, biodegradation, mathematical models 2223
- organochlorine insecticides, microbial degradation, reviews 974
- pathogens, survival, reviews 2020
- petroleum hydrocarbons, biodegradation, reviews 1004
- phenolic compounds, microbial degradation, reviews 974
- pollutants, health hazards 2022
- pollution
bioremediation
biotechnology 2047
- books 2056-2057, 2064-2071, 2078
- plants, models 311
- legislation, USA 2026
- microbiology, books 2018-2026, 2223
- microorganisms
biochemical techniques 2025
- transport processes, bioremediation 2059
- petroleum, bioremediation, Poland 1414
- petroleum hydrocarbons
bioremediation
aerobic conditions 2066
- air, injection 2067
- anaerobic conditions 2070
- pollutants, binding, substrates, bioremediation, enhancement 2075
- waste gases, bioremediation, bioreactors 307
- polychlorinated biphenyls, microbial degradation, reviews 974
- sewage, organic compounds, removal, activated sludge 1560
- solvents, chlorinated, biodegradation, bioremediation, aeration, bioventing 2069
- toluene, removal, biological treatment, fluidized beds, granular activated carbon, oxygen, nutrients 1641
- triazines, bioremediation, Germany 1058
- trichloroethylene, biodegradation, bacteria, characterization, USA, South Carolina 2541
- water quality, bacterial count, Italy 1401
- water supply, microbial contamination, health hazards, USA, reviews 2019
- xylene, removal, biological treatment, fluidized beds, granular activated carbon, oxygen, nutrients 1641
- Growth regulators**, control, *Corcyra cephalonica* 244
- Guidelines**, genetically engineered microorganisms, release, environment, books 1847
- Gymnodinium**, red tides, marine environment, pollution 842
- Gymnodinium aureolum**, nitrogen, uptake, ammonium, algal blooms, English Channel 2386
- Hafnia alvei**
amines
production
fish 749
- mackerels 749
- Halobacterium salinarium**, pyruvic acid, metabolism, determination, nuclear magnetic resonance spectroscopy 1578

- Halocella cellulolytica**
new species
cellulose, biodegradation, enzymes, production 1150
cellulose, biodegradation, enzymes, production 1150
- Halogenated aliphatic herbicides**, microbial degradation, groundwater, reviews 974
- Halogenated hydrocarbons**
biodegradation
genetically engineered microorganisms 1840
Pseudomonas, genetically engineered microorganisms 2208
- Halogenated organic compounds**
removal
kraft mill effluent
activated sludge, comparison 2440
ponds, comparison 2440
pulp mill effluent
biological treatment
activated sludge 2442
ponds 2442
- Ham**
contamination
gram negative bacteria 760
Salmonella typhimurium, food poisoning, food hygiene, UK 1213
curing, microbial contamination, fungi 174
transport, swine vesicular disease virus, survival, Spain 1211
- Handling**, animal wastes, economics, books 635
- Hansenula**, *Saccharomyces*, control 1989
- Hansenula anomala**, *Listeria*, association, foods, recovery 675
- Hansenula mrankii**, wines, fermentation, *Zygosaccharomyces bailii*, control 1989
- Hansenula saturnus** var. *subsufficiens*, wines, fermentation, *Zygosaccharomyces bailii*, control 1989
- Hatcheries**, fish farming, waste water, aerobic treatment 879
- Hay**, utilization, acid mine drainage, biological treatment 1115
- Hazardous wastes**
biological treatment, books 1200
heavy metals, removal, microorganisms, enhancement, cysteine 2355
- Hazardous wastes sites**, bioremediation, reviews 2079
- Hazelnuts**, spoilage, fungi, Turkey 1276
- Health hazards**
chilled foods, microbial contamination, reviews 1233
foods
handling, recommendations 1232
Listeria monocytogenes, virulence, reviews 1205
UK 669
groundwater, water supply, microbial contamination, USA, reviews 2019
microbial contamination, groundwater 2022
mineral waters, legislation, Italy 666
pig slurry, bacteria 301
pollutants, groundwater 2022
steel mills, water systems, cleaning, microbial contamination 2474
water reuse, standards, USA 1750
- Heat resistance**, grape juice, moulds 1285
- Heat treatment**
cheeses
Aspergillus oryzae, inhibition 782
Penicillium camembertii, inhibition 782
Penicillium roquefortii, inhibition 782
fish, bacteria, survival 745
foods, *Clostridium botulinum*, spores, survival 832-833
seafoods, bacteria, survival 745
Talaromyces trachyspermus, control, fruit juices, contamination 727
- Heavy metals**
adsorption, *Chlorella fusca* 1679
bacterial leaching
genetic engineering 480
ores, India 2456
sewage sludge 2354
economic analysis 1676
- Heavy metals cont.**
bacterial leaching cont.
Thiobacillus
sewage sludge 472
mathematical models 473
- biodegradation
animals, reviews 958
genetically engineered microorganisms 1840
- effects
activated sludge, excess, anaerobic digestion, methane production 924
nitrogen, uptake, *Chlorella* 2382
phosphorus, uptake, *Chlorella* 2382
toxins, production, *Microcystis aeruginosa* 2010
- inhibition, microbial activities, rivers, Germany, determination, amino acids 845
- nitrilotriacetic acid, degradation, bank filtration, anaerobic treatment 1751
- recovery
industrial wastes, waste water, biological treatment, reviews 381
Rhodobacter sphaeroides 2344
- removal
activated sludge 1680
algae, reviews 474
bacteria, acidophilic 2533
Chlorella fusca 1678
environment, microorganisms, reviews 2356
hazardous wastes, microorganisms, enhancement, cysteine 2355
- industrial wastes
biological treatment 2456
waste water
Fucus serratus 1065
Laminaria digitalis 1065
- sewage sludge
bacterial leaching 1070
pathogens, destruction 2342
Salmonella typhimurium, destruction 2342
- microorganisms 1072
Thiobacillus 1072
- sludges
bacterial leaching
pathogens, destruction 2342
Salmonella typhimurium, destruction 2342
- waste water
bacteria, immobilization, membranes, bioreactors 2339
Salvinia 2359
Spirodela 2359
- wastes, biological treatment, Malaysia 1686
- water
Anabaena doliolum, pH, organic acids 2351
Chlorella vulgaris, pH, organic acids 2351
Eichhornia crassipes 1683
- removal + sewage sludge, stabilization, bacterial leaching, Algeria 2343
- resistance, concrete, microbial corrosion, *Thiobacillus* 1963
- soil pollution, biological activity in soil, effects 298
- sorption
bank filtration, anaerobic treatment, nitrilotriacetic acid 1751
Chlorella vulgaris 1677
mosses, dyes 2357
- toxicity, bacteria, survival, soil 300
- uptake
artificial wetlands, *Phragmites australis*, *Schoenoplectus lacustris* 2360
Eichhornia crassipes 483
- microorganisms, biotechnology, reviews 2536
- plants, mathematical models 2341
Pseudomonas syringae, cells 2346
- waste water, *Lemna minor* 2335
- water pollution, bioremediation, aquatic plants, India 2072
- Helminthosporium solani**
control
potatoes
storage decay
imazalil 1301
thiabendazole 1301
- potatoes, storage decay, environmental factors 138
- Hematite**, uptake, solutions, solutions, *Mycobacterium phlei* 536
- Hemicelluloses**
biodegradation
arabinose, production, *Aspergillus awamori*, enzymes 427
- Aspergillus nidulans*, enzymes, characterization 415
- utilization, lignocellulosic wastes, fermentation, ethanol production, yeasts 1583
- Hemicellobibacillus**, wood, USA 218
- Hepatitis E virus**, waste water, detection, polymerase chain reaction 2589
- Hepatotoxins**, *Microcystis aeruginosa*, lakes, Finland 2013
- Herbaria**
biodegradation
insects
chemical control
argon 1363
carbon dioxide 1363
nitrogen 1363
- Herbicides**
alachlor, decomposition, bacteria, groundwater 843
- atrazine
biodegradation
soil, microorganisms 1054, 1664
soil types (lithological)
Japan 1052
Thailand 1052
- biodegradation
bioreactors, biological fixed-film systems, granular activated carbon, supports 1668
- organic matter, reviews 1050
- soil, *Phanerochaete chrysosporium* 1670
- waste water treatment, reviews 1431
- butylate, biodegradation, soil, microorganisms 1054
- 2,4-D
biodegradation
Nocardioides simplex 1662-1663
Pseudomonas putida 1051
- effects, straw, biodegradation, soil flora 420
- ethalfluralin, biodegradation, soil, microorganisms 1054
- linuron, biodegradation, soil, microorganisms 1054
- metolachlor, biodegradation, soil, microorganisms 1054
- metribuzin
biodegradation, soil, microorganisms 1054
- residues, effects, biological activity in soil 1053
- napropamide, biodegradation, soil 1055
- residues
biological activity in soil, effects, Armenia 467
- soil, biodegradation, microbial activities 468
- 2,4,5-T, biodegradation, *Nocardioides simplex* 1663
- trifluralin, biodegradation, soil, microorganisms 1054
- Heterocyclic compounds**
antibacterial agents
Escherichia coli 1354
Staphylococcus aureus 1354
- Heterotrophic microorganisms**
bacteria, thiosulfates, oxidation, enzymes 1077
- carbon dioxide, assimilation, aquatic environment, thiosulfates, effects 2373
- minerals, kalsilite, biodegradation 1080
- temperature, effects, uranium, mine tailings, effluents, Canada 1755
- thiosulfates, oxidation 1078

- Heterotrophic microorganisms cont.**
 vitamins, activated sludge, requirements 2133
Hevea brasiliensis, decay, resistance, wood destroying fungi 215
Hexachlorocyclohexane, biodegradation, aerobic treatment, *Pseudomonas paucimobilis* 2201
Hexadecane, polluted soils, bioremediation 871
Hexoses
 biodegradation, ethanol production, *Escherichia coli* 2183
 utilization
 organic acids, production, microorganisms, reviews 1582
 solvents, production, microorganisms, reviews 1582
Histamine
 contamination, sardines, bacteria, control, sodium chloride 148
 fish, bacteria 746
 production, sausages, lactic acid bacteria 764
Histidine, production, anchovies, bacterial count, quality, indexes, Spain 750
Historic buildings, *Nitrosovibrio*, sandstone, Germany 257
Historic sites, biodegradation, reviews 1957
Homophthalic acid, biodegradation, *Aspergillus niger* 407
Hospital diets, microbial contamination, Italy 15
Hospitals
 equipment, ventilators, *Klebsiella pneumoniae*, condensates 17
 wastes, treatment, radiation 2414
Hostile environments, microorganisms, survival, books 2530-2537
Human diseases, samples, *Listeria monocytogenes*, characterization, fragment length polymorphism, DNA probes 4
Human faeces, biodegradation, green manures, production, reviews 2186
Human health, Blattaria, vectors, pathogens, Enterobacteriaceae 2011
Humic acids
 biodegradation, water purification, microorganisms, regrowth, water distribution 2216
 removal, drinking water, *Rhizopus arrhizus*, biomass, UK 2453
Humus, production, refuse, anaerobic treatment, bioreactors 1456
Hungary, pig slurry, anaerobic digestion, energy sources 949
Hydrocarbons
 ammonia, oxidation, *Nitrosomonas europaea*, inhibition 2542
 biodegradation
 application to land 1017
 soil, composts, bioremediation 978
 biological treatment 447
 molecular weight, biodegradation, soil 1629
 polluted soils
 bioremediation 870
 techniques 1018
 removal, polluted soils, plants 1615
 soil
 bioremediation 1016
 removal, *Pseudomonas aeruginosa*, surfactants, production 2331
Hydrogen
 fermentation, methane production, bioreactors, anaerobic conditions, kinetics 385
 oxidation
 soil
 Bradyrhizobium japonicum 2363
 Shewanella putrefaciens 2363
 production
 Anabaena, marine environment, photosynthesis 2192
 carbon monoxide, utilization, *Rhodopirillum rubrum* 1160
 fuels, biotechnology, reviews 2190
 microorganisms, Germany, reviews 383
 reduction, *Plectonema boryanum* 1084
Hydrogen cont.
 utilization
 acetates, production, *Clostridium ljungdahlii* 2461
 ethanol production, *Clostridium ljungdahlii* 2461
Hydrogen peroxide
Escherichia coli, inactivation 256
 pickled cheese
 Listeria monocytogenes, control 783
 Salmonella typhimurium, control 783
 Staphylococcus aureus, control 783
Hydrogen sulfide
 production
 biofouling, water supply 28
 groundwater, Russia 2196
Hydrogenobacter, sulfur, production 1074
5-Hydroxy-4-oxonorvalen
 production
 casein, utilization, *Streptomyces akiyoshiensis* 1809
 starch, utilization, *Streptomyces akiyoshiensis* 1809
Hyphomicrobium
 dichloromethane, biodegradation 2275
 methyl sulfide, biodegradation 2366
 monomethyl sulfate, biodegradation 2217
 thiosulfates, oxidation 1078
Hyphomicrobium zavarzinii subsp.
chengduense, polyhydroxybutyrate, production, methanol, biodegradation 2175
Hypochlorites, activated sludge, foaming, *Nocardia amarae*, control, Hong Kong 2138
Ice cream, production, waste water, anaerobic treatment, bioreactors, operation, parameters 1510
Ilyobacter defel妣dii
 poly- β -hydroxybutyrate, biodegradation 2291
 polyhydroxybutyrate, biodegradation, landfills 2367
 polymers, biodegradation, landfills 2367
Imazalil
 potatoes
 storage decay
 Helminthosporium solani, control 1301
 Polyscytalum pustulans, control 1301
 tolerance
 pome fruits
 storage decay
 Penicillium expansum, Australia 1291
 Penicillium solitum, Australia 1291
 Indicates, sorption, activated sludge 350
Indonesia
 feeds, cassava, bacteriology 1265
 petroleum hydrocarbons, biodegradation, fungi 596
Induced resistance, carrots, postharvest decay, *Botrytis cinerea* 1300
Industrial wastes
 agricultural wastes, biogas, production, anaerobic digestion 540
 anaerobic treatment, Malaysia, books 1724
 animal manures, biogas, production, bioreactors, design 394
 biological treatment
 books 1200
 Malaysia, books 1620, 1686, 1748-1749, 1753, 1779, 1846
 brine, biological treatment, bacteria, halo-phytes 2415
 cattle slurry, biogas, production, anaerobic digestion 540
 dyes, phenolic compounds, biodegradation, biological treatment 319
 effluents
 biological treatment, preliminary, biological fixed-film systems 2096
 feeds, production, *Geotrichum candidum* 533
 heavy metals, removal, biological treatment 2456
 metals, removal, biological treatment 2456
 microorganisms, chromium, removal 2337
 pig slurry, biogas, production, anaerobic digestion 540
 pollution, monitoring, books 2601
 reduction, UK, reviews 1196

- Industrial wastes** cont.
 saline water, biological treatment, bacteria, halophytes 2415
 waste water
 heavy metals
 recovery, biological treatment, reviews 381
 removal
Fucus serratus 1065
Laminaria digitalis 1065
- Inorganic acids**, boric acid, inhibition, aflatoxins, production, *Aspergillus* 815
- Inorganic compounds**, groundwater, health hazards 2022
- Insect pests**
 cereal grains
 laboratory tests, population dynamics 698
 storage, reviews 289
 control
 cereal grains, Egypt 91
 irradiation
 beans, reviews 249
 cereal grains, reviews 249
 copra, reviews 249
 dates, reviews 249
 grain legumes, reviews 249
 oilseeds, reviews 249
 tobacco, reviews 249
 softwoods, wood preservation 219
 stored products, reviews 1393
 wood, methyl bromide, New Zealand 221
 food contamination, foods, distribution, reviews 291
 grain legumes
Callosobruchus maculatus 699
 laboratory tests, population dynamics 698
 paintings
 biodegradation
 examination 796
 restoration 796
 pearl millet, pest resistance 710
 rice
 storage, Taiwan 98
 Taiwan 99
- Insecticides**
 biodegradation
 USA
 soil 466
 water 466
 waste water treatment, reviews 1431
 carbofuran, biodegradation, soil, microorganisms, France 1047
 chlordane, biodegradation, soil 1048
 chlorpyrifos, biodegradation, soil 465, 1048
 cypermethrin, biodegradation, soil 1048
 Lindane, biodegradation, *Sphingomonas paucimobilis*, soil 1049
 methoprene
 controlled release
 septic tanks, *Psychoda alternata*, control, Japan 255
 sewage, *Psychoda alternata*, control, Japan 255
- Insects**
 chemical control
 argon
 herbaria, biodegradation 1363
 museum specimens, biodegradation 1363
 museums, biodegradation 1363
 carbon dioxide
 herbaria, biodegradation 1363
 museum specimens, biodegradation 1363
 museums, biodegradation 1363
 nitrogen
 herbaria, biodegradation 1363
 museum specimens, biodegradation 1363
 museums, biodegradation 1363
 raisins, stored products pests, South Africa 135
 stored products pests, cereal grains, USSR, control 253
- Instrumentation**
 measurement
 activated sludge, settlement, characteristics 2125
 nitrogen, removal, activated sludge, Denmark 2388
- Iodine**, removal, waste water treatment, activated sludge 1066
- Iprodione**
 celery
 storage decay
Botrytis cinerea, control, Israel 1304
Sclerotinia sclerotiorum, control, Israel 1304
- Tolerance**
 pome fruits
 storage decay
Penicillium expansum, Australia 1291
Penicillium solitum, Australia 1291
- Iraq**
 cheeses, contamination, enterotoxins, production, *Staphylococcus aureus* 1892
 meat products, contamination, enterotoxins, production, *Staphylococcus aureus* 1892
 milk products, contamination, enterotoxins, production, *Staphylococcus aureus* 1892
 wastes, hospitals, enterotoxins, production, *Staphylococcus aureus* 1892
- Iron**
 bacterial leaching 478
Thiobacillus, carbon dioxide 2457
 effects, anaerobic digestion, granules 914
 ligands, aquifers, petroleum hydrocarbons, biodegradation, anaerobic conditions 2276
 metabolism, environment, acid, bacteria 476
 microbial corrosion, reviews 233
 oxidation
 bacteria 470
 bioreactors, *Thiobacillus ferrooxidans* 1062
Eubacterium 477
Thiobacillus ferrooxidans 1158
 precipitation, microbial activities, drainage channels 475
 reduction, *Listeria*, assays 1674
 regulation, lakes, bacteria, Sweden 2402
 removal
Aeromonas 1675
 microorganisms 1675
 soil, preservatives, arsenicals, inactivation, wood, decay, *Leucoglyphana pinastri* 1951
 uptake
Aquaspirillum 2340
Candida utilis 1688
- Irradiation**
 feeds, poultry, microbial contamination, *Streptomyces*, enzyme activity, control, Egypt 82
 insect pests
 control
 beans, reviews 249
 cereal grains, reviews 249
 copra, reviews 249
 dates, reviews 249
 grain legumes, reviews 249
 oilseeds, reviews 249
 tobacco, reviews 249
 stored products pests
 control
 beans, reviews 249
 cereal grains, reviews 249
 copra, reviews 249
 dates, reviews 249
 grain legumes, reviews 249
 oilseeds, reviews 249
 tobacco, reviews 249
- Irrigation**
 meatworks effluent, soil, denitrification 369
 sewage effluent, recharge, aquifers, Israel 2333
- Irrigation** cont.
 waste water
 utilization
 Middle East, reviews 370
 North Africa, reviews 370
- Irrigation water**
 nitrates, bioremediation, denitrification, USA 860
 waste water treatment, ponds, faecal coliforms, removal 1522
- Isobutane**, biodegradation, microorganisms, bioreactors 1623
- Isopoda**, forest litter, biodegradation 611
- Isopropyl alcohol**, production, molasses, fermentation, *Clostridium*, immobilization, alginates 1544
- Isothiazolin**, antibacterial properties, *Pseudomonas aeruginosa*, assessment 1353
- Israel**
 celery
 storage decay
Botrytis cinerea
 control
iprodione 1304
thiabendazole 1304
Sclerotinia sclerotiorum
 control
iprodione 1304
thiabendazole 1304
 coliform bacteria, removal, reservoirs, waste water, irrigation 2124
 groundnuts, mycotoxins 106
 petroleum hydrocarbons, biodegradation, environment, microorganisms, bioremediation 1619
 sewage effluent, recharge, aquifers, irrigation 2333
- Italy**
 Venice, algae, eutrophication, lagoons 2116
 Naples, groundwater, water quality, bacterial count 1401
 algae, refuse, composting, pathogens, removal 2116
 ancient monuments, lichens 2006
 apples, storage decay, *Mucor piriformis* 732
 beet sugar
 waste water
 biogas, production, anaerobic digestion 518
 biological treatment, activated sludge 518
 cheeses, *Listeria monocytogenes* 185
 drinking water, disinfection, chemical treatment 32
 flour mills, maize, food hygiene 706
 foods, microbial contamination, *Listeria monocytogenes* 1204
 ground beef, contamination, verocytotoxins, production, *Escherichia coli* 54
 hospital diets, microbial contamination 15
 kiwifruits, storage decay, *Mucor piriformis* 732
 meat products
Listeria monocytogenes 171, 765
 microbial contamination, legislation 761
 milk
Listeria monocytogenes 185
 psychrotrophic bacteria, bacterial count 774
 monuments, lichens, books 1845
 mussels, contamination, *Listeria*, isolation 149
 mycotoxins, foods, reviews 694
 olives
 food poisoning, botulism, *Clostridium botulinum* 1859
 mycotoxins, *Alternaria alternata* 735
 pears, storage decay, *Mucor piriformis* 732
 raw milk, psychrotrophic bacteria, bacterial count 774
Salmonella enteritidis, food poisoning 8 sausages
Lactobacillus 1928
Staphylococcus aureus 1926

- Italy cont.**
- skim milk, milk hygiene, bacterial count, control, milk cooling 773
 - soft drinks, microbial contamination, control, legislation 726
 - stonework, lichens 2006
 - wheat, flours, production, microbial contamination 1908
 - yoghurt, containers, defects, collapse, microorganisms 210
- Jams**
- Aspergillus ochraceus*
 - control
 - potassium sorbate 1915
 - sodium benzoate 1915
 - food preservatives 1915
 - Penicillium italicum*
 - control
 - potassium sorbate 1915
 - sodium benzoate 1915
 - preservation, pressure treatment, *Candida*, survival 1357
- Japan**
- bacterial toxins, *Clostridium botulinum*, pollution, watersheds 53
 - conferences, International Symposium on Tropical Agriculture Research 374
 - eutrophication
 - algal blooms, *Uroglena americana*, lakes 1400
 - lakes, phosphorus, release, dynamic models 1715
 - food hygiene, legislation 1202
 - methane production, sewage, bioreactors, anaerobic treatment 1447
 - Microcystis*, flotation, sedimentation, algal blooms, lakes 284
 - nitrogen
 - phosphorus
 - recycling
 - organic matter particles
 - bacteria 1700
 - lakes 1700
 - rice + vegetables, microbial contamination, *Saccharomyces* 1288
 - rivers, water quality, bacterial count, regression analysis 1399
 - seafoods, *Listeria* 1310
 - septic tanks, *Psychoda alternata*, control, methoprene, controlled release 255
 - sewage, *Psychoda alternata*, control, methoprene, controlled release 255
 - shellfish, poisoning, microorganisms, toxins, production 259
 - sugarbeet, storage decay, biological control 103
 - sulfur, uptake, benzene, tolerance, *Bacillus*, marine environment 2374
 - toxins, production, cyanobacteria, fresh water 1396
 - trichlorobenzene, biodegradation, marine areas, sediments 2199
 - wood, decay, *Arthrophilus cuboidea*, *Lentinula edodes*, cultivation, inhibition 1950
- Jerusalem artichokes**, fermentation, ethanol production, *Kluveromyces marxianus*, Portugal 379
- Jet fuels**, biodegradation, soil 1629
- Jordan**
- cheeses, microbial flora 1333
 - drinking water, microbial contamination 30
 - ponds, waste water treatment, nematoda, eggs, removal, mathematical models 1487
 - water reuse, microbiology, reviews 1550
- Kanamycin**, biosynthesis, *Streptomyces kanamyceticus*, proxanol 1796
- Kaolin**, flocculation, polymers, production, *Rhodococcus erythropolis* 878
- Keeping quality**
- beef
 - modified atmosphere storage 1236
 - vacuum packaging 1236
 - storage, Saudi Arabia 759
 - transport, Saudi Arabia 759
 - control
 - meat, lactates 671
 - poultry, lactates 671
- Keeping quality cont.**
- control cont.
 - pummelos × grapefruits 128
 - seafoods, lactates 671
 - foods, monitoring 1235
 - perishable products, monitoring 1235
 - sardines, analysis 1308
 - shrimps, treatment 672
 - Stromateus cinereus*, treatment 672
 - Kenya**, faecal coliforms, removal, ponds, waste water treatment, comparison 1494
 - Keratin**, biodegradation, *Streptomyces fradiae*, proteinases 1812
 - Kerosene**, utilization, fungi, soil 2269
 - Keto acids**, β-ketoadipic acid, detection, phenols, degradation, *Rhodotorula rubra*, gas chromatography, mass spectrometry 1038
 - Ketones**
 - biodegradation
 - Acinetobacter calcoaceticus*, lactones, production 962
 - Pseudomonas putida*, enzymes 963
 - Kinetics**
 - olives, waste water treatment, anaerobic digestion 921
 - waste water treatment, activated sludge 2139
 - Kingella**, food industry, water purification, filters, microbial contamination 33
 - Kitchen waste**, composting, pH 892
 - Kiwifruits**
 - Botrytis cinerea*, controlled atmosphere storage 129
 - storage decay
 - control, 2-phenylphenol 737
 - Mucor piriformis*, Italy 732
 - Klebsiella oxytoca**
 - Eichhornia crassipes*, butanediol, production, methodology 1591
 - surfactants, production 1804
 - Klebsiella planticola**
 - amines
 - production
 - fish 749
 - mackerels 749
 - cyanides, biodegradation, chemistry 1690
 - Klebsiella pneumoniae**
 - glycerol, biodegradation, 1,3-propanediol, production 2182
 - hospitals, equipment, ventilators, condensates 17
 - pulp and paper industry, waste water, nitrogen, fixation, lagoons, New Zealand 2438
 - Kluveromyces**, *Saccharomyces*, control 1989
 - Kluveromyces fragilis**
 - growth, whey, biodegradation, mathematical models 2169
 - lactose, metabolism, whey, biodegradation, mathematical models 2170
 - oxygen, utilization, whey, biodegradation, mathematical models 2171
 - whey
 - utilization
 - proteins, production 509
 - single cell protein, production, temperature 1540
 - Kluveromyces marxianus**
 - ethanol production, jerusalem artichokes, fermentation, Portugal 379
 - yoghurt, contamination, packaging, oxygen, transmission 208
 - Korea Republic**
 - sewage effluent disposal, rivers, sulfate reducing bacteria, estimation 587
 - waste disposal, rivers, sulfate reducing bacteria, estimation 587
 - Kraft mill effluent**
 - anaerobic treatment
 - biological fixed-film systems, microbial flora, Sweden 1747
 - bioreactors, design, comparisons 1440
 - biological treatment
 - anaerobic digestion 875
 - lagoons 875
 - Phanerochaete chrysosporium* 875
 - rotating biological contactors 875
 - Kraft mill effluent cont.**
 - colour, removal, biological treatment 2437
 - degradation, lignin peroxidase, immobilization, dynamics 2439
 - halogenated organic compounds removal
 - activated sludge, comparison 2440
 - ponds, comparison 2440
 - organic halogen compounds, removal, anaerobic treatment, aerobic treatment, lagoons 1485
 - phenolic compounds
 - biodegradation, biological treatment, *Lentinus edodes* 1742
 - removal, anaerobic treatment 1107
 - thermomechanical pulping
 - sulfates, reduction, biological fixed-film systems, anaerobic treatment, bioreactors 1744
 - L-cysteine**, production, *Pseudomonas*, induced mutants 965
 - Laboratories**, pathogens, handling, biosafety 658
 - Laboratory tests**, pollutants, biodegradation, reviews 2036
 - Lactates**
 - meat
 - keeping quality, control 671
 - Listeria monocytogenes*, control 671
 - poultry, keeping quality, control 671
 - seafoods, keeping quality, control 671
 - Lactic acid**
 - beef, *Listeria monocytogenes*, inactivation 165
 - fermentation, optimization, lactic acid bacteria, identification 2421
 - Listeria monocytogenes*, inhibition 261
 - production, food processing, bananas, wastes, fermentation 1721
 - Lactic acid bacteria**
 - antibacterial properties, cereal products 730
 - bacteriocins
 - characterization, reviews 1373
 - genetics, reviews 1983
 - production 242-243
 - sausages, pathogens, control 1968
 - beers, hops, acids, resistance 1912
 - biotechnology, books 1844
 - characterization, cassava, retting, fermentation 1784
 - genetics, books 1844
 - grana cheese, defects, gases, control 778
 - inhibition
 - by *Pediococcus pentosaceus*, bacteriocins 724
 - of *Clostridium botulinum* 243
 - lactic acid, fermentation, optimization, identification 2421
 - meat, vacuum packaging, mathematical models 1316
 - morphology, determination, sausages, biodegradation 1320
 - nisin, production, milk products, preservation, reviews 1971
 - sausages 766
 - amines, production 764
 - silage
 - inoculation 1774
 - production
 - maize 1122
 - Medicago sativa* 1122
 - sodium chloride, control, meat, biodegradation, pathogens, India 1972
 - tofu 115
 - vegetable products, fermentation, reviews 2423
 - vegetables, preservation, Bangladesh 119
 - whey, fermentation 787
 - wines, contamination 1911
 - yoghurt, Egypt 1337
 - Lactobacillus**
 - fermented foods, sausages, starters 1319
 - inhibition
 - by *Pediococcus acidilactici*, bacteriocins 1355
 - of molasses, fermentation 1104

- Lactobacillus cont.**
sausages
fermentation, bacteriocins 1891
Italy 1928
starch, biodegradation, enzymes 1045
wines, sulfur dioxide, survival 723
- Lactobacillus bavaricus**
Listeria monocytogenes, inhibition, beef 1923
sausages, fermentation, transformation 1929
- Lactobacillus brevis**
sulfite liquor, enzyme activity 1797
xylose isomerase, activity, stability, pH 1786
- Lactobacillus casei**
bacteriocins, production 1349, 2546
sausages, fermentation, bacteriocins 1891
- Lactobacillus curvatus**, sausages, fermentation, characterization 1794
- Lactobacillus curvatus**, sausages, fermentation, transformation 1929
- Lactobacillus delbrueckii**, immobilization, calcium alginate, growth 1788
- Lactobacillus johnsonii**, genetics, lactacin F, production 1807
- Lactobacillus paracasei**, inhibition, of *Listeria* 204
- Lactobacillus plantarum**
bacteriocins, production 1349
characterization, cassava, retting, fermentation 1784
enzymes, silage, production, genetic engineering 1125
olives
fermentation
inhibitors 1806
sodium chloride 1159
sausages, fermentation, transformation 1929
wines, contamination 1911
- Lactobacillus sake**
inhibition, of *Yersinia enterocolitica* 1802
sausages, fermentation, characterization 1794
- Lactococcus**, bacteriocins, production 572
- Lactococcus lactis**, characterization, cassava, retting, fermentation 1784
- Lactoferrin**, antibacterial properties, reviews 245
- Lactones**, production, ketones, biodegradation, *Acinetobacter calcoaceticus* 962
- Lactoperoxidase**, antibacterial properties, reviews 245
- Lactoperoxidase system**
milk
Listeria monocytogenes, control 197
Staphylococcus aureus, control 197
- Lactose**
fermentation, yeasts, isolation 511
utilization, microorganisms, reviews 1103
- Lagoons**
aeration, pulp mill effluent, biological treatment, Canada 526
aerobic treatment, organochlorine compounds, removal 397
algae, eutrophication, Italy 2116
anaerobic treatment
aerobic treatment, organic halogen compounds, removal, kraft mill effluent 1485
organochlorine compounds, removal 397
- design
waste water treatment
 coliform bacteria, removal 364
 faecal coliforms, removal 364
kraft mill effluent, biological treatment 875
- nitrogen, fixation, pulp and paper industry, waste water, *Klebsiella pneumoniae*, New Zealand 2438
- pig manure, treatment, *Scenedesmus* 1500
- pulp mill effluent
 biological treatment, Australia 523
 treatment 1483
- sewage, treatment, nitrogen, removal, biofilms, algae 1708
- Lakes**
algae, biomass, phosphorus, input, mathematical models 849
eutrophication
 algal blooms, *Uroglena americana*, Japan 1400
control
 sewage
 treatment
 design
 upgrading
 nutrients, removal, UK 2490
 phosphates, removal, UK 2490
management, mathematical models 849
phosphorus, release, dynamic models, Japan 1715
- faecal coliforms, South Africa 2017
- gravel pits, denitrification, France 1703
- iron, regulation, bacteria, Sweden 2402
- microbial activities, Switzerland 846
- Microcystis**
flotation, sedimentation, algal blooms, Japan 284
toxins, production, Japan 2016
- Microcystis aeruginosa**, hepatotoxins, Finland 2013
- mussels, biofouling, control, Canada 1362
- nitrogen, phosphorus, recycling, organic matter, particles, Japan 1700
- phosphates, uptake, microorganisms, Russia 1090
- phosphorus, regulation, bacteria, Sweden 2402
- Phragmites australis**, productivity, nitrogen, eutrophication, Germany 610
- plant residues
 biodegradation
 microorganisms
 morphology
 diversity
 Armenia 1592
 Latvia 1592
- sediment, trinitrotoluene, biodegradation, *Methanococcus*, USA 2241
- water quality, South Africa 2017
- Laminaria digitalis**, heavy metals, removal, industrial wastes, waste water 1065
- Landfill leachates**
aerobic treatment, bioreactors, Sweden 371
- anaerobic digestion, kinetics 2154
- anaerobic treatment, bioreactors 1453
- biological treatment 1535
 activated sludge, aeration, design 910
 costs 876
 economics, Germany 935
 Germany, reviews 2165
 processes, equations, Germany 1426
- nitrogen, removal, biological treatment, USA 1699
- organic compounds, removal, fluidized beds, activated carbon, biofilms 322
- phosphorus, removal, biological treatment, USA 1699
- pollution, aquifers, bioremediation, reviews 2162
- solid wastes, recycling, biogas, production 934
- treatment, bioreactors, nitrification, design 2163
- Landfills**
biogas
 production
 microbial activities 372
 microbiology 372
 reviews, Europe 562
- ethylene, bioremediation, mycorrhizal fungi 2164
- greenhouse gases
 production
 microbial activities 372
 microbiology 372
- methane, bioremediation, mycorrhizal fungi 2164
- methane production
 bacteria 936
- Landfills cont.**
methane production cont.
refuse, biodegradation, anaerobic treatment 1556
- polyhydroxybutyrate, biodegradation, *Ilyobacter delafeldii* 2367
- polymers, biodegradation, *Ilyobacter delafeldii* 2367
- refuse, methane production, USA, New York 1536
- sewage sludge, pathogens, reviews 651
- Leaching**, aluminium, bauxite, fungi 1068
- Lead**
adsorption, *Chlorella fusca* 1679
- pollution, soil, microbial flora, adaptation 482
- removal
 Chlorella fusca 1678
 waste water, microorganisms 2334
 water, microorganisms 2334
- Leather**, wastes, granules, utilization, fungi, growth, feed supplements 2172
- Leather industry**
waste water treatment
 chromium, removal, activated sludge 1112
 phenolic compounds, removal, activated sludge 1112
- Legionella**
bacterial count, infectivity, cooling towers, contamination 1346
- biofilms
 thermal spring water
 Portugal, New Mexico 2014
 USA, New Mexico 2014
- cooling towers
 contamination, Australia 238
 control, reviews 9
- identification 1375
- infectivity, waterborne diseases, water systems 1208
- sewage, control, reviews 9
- waste water, control, reviews 9
- waterborne diseases, control, reviews 9
- Legionella erythra**, lipopolysaccharides 1998
- Legionella oakridgensis**, lipopolysaccharides 1998
- Legionella pneumophila**
control, USA 1207
- cooling towers, UK 237
- epidemiology, water systems, mass spectrometry, UK 239
- isolation, USA 1207
- survival
 aquatic environment, temperature 1991
 morphology, culture media, nutrients 263
- water systems, hot water, hospitals, control 1206
- Legislation**
bioremediation, USA, Canada 2049
- cattle dung, abattoirs, meat hygiene, Finland 754
- cereal grains, mycotoxins, reviews 2
- food hygiene, Japan 1202
- foods, *Listeria monocytogenes*, Spain 1848
- groundwater, pollution, USA 2026
- meat products
 microbial contamination
 European Communities 761
 Italy 761
- mineral waters, health hazards, Italy 666
- pathogens, reduction, anaerobic digestion, sewage sludge, application to land, USA 2034
- refuse
 composting
 Canada, reviews 1462
 Europe, reviews 1462
 USA, reviews 1462
- seeds, mycotoxins, reviews 2
- sewage sludge, pathogens, USA 2039
- soft drinks, microbial contamination, control, Italy 726
- surface water, *Giardia lamblia* 1752
- treatment, costs, drinking water, USA 1849
- Legumes**, nitrogen fixation, soil degradation, bioremediation 1421

- Lemna**
sewage, treatment, reviews 359
waste water treatment, reviews 359
- Lemna minor**, waste water, heavy metals, uptake 2335
- Lentils**, utilization, riboflavin, production, *Eremothecium ashbyii* 1538
- Lentinula edodes**
cultivation, inhibition, wood, decay,
Arthrophysis cuboidea, Japan 1950
polychlorinated biphenyls, biodegradation 316
- Lentinula edodes** (see *Lentinula edodes*)
phenolic compounds, biodegradation,
Kraft mill effluent, biological treatment 1742
- Leptospirillum**, sulfides, bacterial leaching, reviews 487
- Leptospirillum ferrooxidans**
heavy metals, bacterial leaching, genetic engineering 480
iron, bacterial leaching 478
metals, bacterial leaching, genetic engineering 480
- Lettuces**, salads, food processing, bacterial count 1303
- Leucine**, production, fatty acids, antibacterial properties 824
- Leucogyrophana pinastri**, wood, decay, preservatives, arsenicals, inactivation, iron, soil 1951
- Leuconostoc**, sugarbeet juice, contamination, glutaraldehyde, control 715
- Leuconostoc mesenteroides**
bacteriocins, *Listeria*, inhibition 5
characterization, cassava, retting, fermentation 1784
- Leuconostoc mesenteroides** ssp. *mesenteroides*, milk, bacteriocins 836
- Leuconostoc oenos**, wines, sulfur dioxide, survival 723
- Levoglucosan**, wood tar, ethanol production, yeasts 1611
- Lichens**
ancient monuments, Italy 2006
monuments, Italy, books 1845
organochlorine compounds, Canada 1404
pollution, monitoring 2007
stonework
Italy 2006
reviews 2007
- Lignin**
biodegradation
Acinetobacter anitratus, ligninase 416
Armillaria ostoyae
carbon 982
nitrogen 982
bacteria
Chile 1597
reviews 1597
- Basidiomycetes, laccase, characterization 2564
- Candida albicans*, enzymes 983
- catalysts, reviews 1598
- Cerrena unicolor*, nitrogen, regulation 2252
- Coriolus versicolor*, laccase, solvents 1599
- enzymes 2247
biochemistry 1601
- fungi
enzyme activity 1600
enzymes, production, reviews 2561
- Ganoderma cordifolia*, techniques 1166
- microorganisms, soil fauna, interactions 1001
- Panus tigrinus*, enzymes 991-992, 1819
- Phanerochaete chrysosporium*
enzymes 603
manganese, effects 2243
molecular biology 2258
- Phlebia ochraceofulva*, peroxidases, production 600
- Phlebia radiata*, enzymes 991
reviews 999
- rice straw
Phanerochaete chrysosporium
2246
- Lignin** cont.
biodegradation cont.
rice straw cont.
Polyporus osteriformis 2246
rumen microorganisms, reviews 1542
sugarcane bagasse
fermentation
bioreactors
Pleurotus cornucopiae
1733
Pleurotus florida 1733
sulfate pulping, peroxidases 2436
thermomechanical pulping, peroxidases 2436
wood destroying fungi, biochemistry, reviews 1596
synthetic, biodegradation, *Phanerochaete chrysosporium*, enzymes, interactions 2255
- Ligninolytic microorganisms**
Acinetobacter anitratus 416
Armillaria ostoyae 982
Aspergillus niger 440
bacteria 1597
- Basidiomycetes 1596
basidiomycetes 2561
Basidiomycetes 2564
Candida albicans 983
Cerrena unicolor 2252
Chaetomium 989
Coriolus versicolor 1586, 1599
Cyathus stercoreus 1594
Dichomitus squalens 1594
Donkioporia expansa 1340
Ganoderma australe 432
Ganoderma cordifolia 1166
Ganoderma lucidum 2426
Graphium 989
Panus tigrinus 991-992, 1819
Phanerochaete chrysosporium 1815
Phanerochaete chrysosporium 429, 432, 603, 1167, 1176, 1594, 1821-1823, 2246, 2255, 2258
Phlebia ochraceofulva 600
Phlebia radiata 991, 1169, 1172
Phlebia tremellosa 1169
Pleurotus eryngii 1586
Pleurotus ostreatus 980, 1541, 1586, 2426
Polyporus adustus 2426
Polyporus cinnabaricus 2426
Polyporus osteriformis 2246
Polyporus sanguineus 2426
Polyporus versicolor 2426
Stropharia rugosoannulata 2426
Xylaria 989
- Lignite**
biodegradation, methane production, *Zootermopsis* 2471
conversion, fuels, fungi 2469
desulfurization
Thiobacillus ferrooxidans 2361
Thiobacillus thiooxidans 2361
solubilization, fungi, measurement 534
- Lignocellulose**
biodegradation
Aspergillus niger
India
gamma radiation 440
pretreatment 440
fungi 1818
rumen microorganisms, reviews 1542
- Lignocellulosic wastes**
amino acids, production, ethanol production, microbial degradation, reviews, USSR 988
- biodegradation
actinomycetales, reviews 1605
bacteria 2253
feeds, production, *Pleurotus* 1603
fuels, Canada, reviews 987
genetically engineered microorganisms 1840
microorganisms, reviews 1607
Phanerochaete chrysosporium, reviews 1605
Pleurotus 1000
Pleurotus florida 1000
reviews, Europe 426
Thermoascus aurantiacus, phenol oxidase, production 2251
- Lignocellulosic wastes** cont.
ethanol production, microbial degradation, reviews, USSR 988
fermentation, hemicelluloses, utilization, ethanol production, yeasts 1583
hydrolysis, enzymes, bioreactors, design 430
jute, utilization, enzymes, production, *Aspergillus sydowii* 2242
utilization, biotechnology, reviews 1605
- Limestone**
biodegradation, *Verrucaria hochstetteri*
colonization, cyanobacteria, water availability 234
- Limonium peregrinum**, storage decay, *Botrytis cinerea* 744
- Lindane**, biodegradation, *Pseudomonas paucimobilis* 1057
- Linear alkylbenzene sulfonate**, biodegradation, reviews 2330
- Lipids**, production, *Candida antartica* 1174
- Liposcelis divinatorius**, rice, storage, Taiwan 98
- Liquid paraffin**, utilization, citric acid, production, *Candida lipolytica*, culture media 1539
- Liquidambar styraciflua**, decay, *Phanerochaete chrysosporium* 790
- Liquorice**, *Aspergillus parasiticus*, aflatoxins, Egypt 109
- Listeria**
association, *Hansenula anomala*, foods, recovery 675
biochemistry, proteins 264
cheeses
detection 47
disinfectants 785
enumeration, comparisons 41
inhibition 204
dairy factories, dairy hygiene 650
detection, monoclonal antibodies 1888, 2586
DNA hybridization 276
foods
contamination, detection 190
identification 1885
fresh water, UK 295
inhibition
by bacteria 204
foods, sodium chloride 821
Leuconostoc mesenteroides, bacteriocins 5
organic acids 5
- iron, reduction, assays 1674
- meat products
contamination, Australia 22
isolation 674
South Africa 170
- microbial contamination
cheesemaking, quality controls 26
dried milk, manufacture, quality controls 26
- milk 196
- milk products 196
contamination, detection 190
isolation 674
- mussels, contamination, isolation, Italy 149
- salmon, processing 147
- seafoods, Japan 1310
- yoghurt, contamination 212
- Listeria grayi**
inhibition
Leuconostoc mesenteroides, bacteriocins 5
organic acids 5
- Listeria innocua**
cheeses, inhibition 204
growth, determination, statistical analysis 1219
- inhibition
by bacteria 204
- Leuconostoc mesenteroides*, bacteriocins 5
- organic acids 5
- Listeria ivanovii**
inhibition
Leuconostoc mesenteroides, bacteriocins 5
organic acids 5

- Listeria monocytogenes***
- adhesion
 - dairy equipment, stainless steel, milk, effects 235
 - surfaces 840
 - antibacterial agents, spices 1986
 - beef
 - adhesion 757
 - cook-chill system, gamma radiation, growth 1922
 - characterization
 - environment, samples, fragment length polymorphism, DNA probes 4
 - foods, samples, fragment length polymorphism, DNA probes 4
 - human diseases, samples, fragment length polymorphism, DNA probes 4
 - cheeses
 - inhibition 204
 - Italy 185
 - control
 - beef, cooked, vacuum packaging, pasteurization 758
 - goat milk, lactoperoxidase 776
 - meat, lactates 671
 - milk, lactoperoxidase system 197
 - pickled cheese
 - hydrogen peroxide 783
 - nisin 783
 - sorbic acid 783
 - pigmeat, contamination, vacuum packaging, cold storage 1925
 - poultry meat
 - gamma radiation 1324
 - storage 1324
 - sausages, heat treatment 1321
 - seafoods, processing, disinfectants 151
 - temperature
 - salads
 - pasta, mayonnaise, contamination 721
 - poultry meat, mayonnaise, contamination 721
 - detection 839
 - polymerase chain reaction 2591
 - DNA hybridization 276
 - foods 37
 - determination, gene probes 1887
 - legislation, Spain 1848
 - microbial contamination, Italy 1204
 - nisin, resistance 649
 - gene mapping, DNA probes 2002
 - genetics, foods, contamination, listeriolysin, production, Taiwan 1852
 - growth
 - beef
 - pH 160
 - temperature 160
 - control
 - skim milk
 - nisin 199
 - pH 199
 - determination, statistical analysis 1219
 - kinetics, aerobic conditions, mathematical models 1853
 - seafoods, temperature 143
 - survival, domati cheese, storage, pickling 206
 - heat tolerance 270
 - identification, comparisons 2576
 - inactivation
 - beef
 - bacteriocins 165
 - lactic acid 165
 - inhibition
 - acetic acid 261
 - by bacteria 204
 - by *Pediococcus acidilactici*, bacteriocins 1355
 - by *Streptococcus faecalis*, bacteriocins 837
 - food additives, polyphosphates 260
 - lactic acid 261
 - Lactobacillus bavaricus*, beef 1923
 - Leuconostoc mesenteroides*, bacteriocins 5
 - organic acids 5
 - Listeria monocytogenes* cont.**
 - inhibition cont.
 - pH 261
 - iron, reduction, assays 1674
 - meat
 - foodborne diseases 1990
 - isolation 1315
 - Italy 171, 765
 - microorganisms, interactions, isolation 1927
 - milk, Italy 185
 - milk products
 - microbial contamination
 - detection 201
 - DNA hybridization 201
 - DNA probes 201
 - polymerase chain reaction 201
 - poultry, foodborne diseases 1990
 - prepared foods
 - mathematical models 1287
 - North America 652
 - refrigerators, contamination, USA 1964
 - sausages, boiled 1995
 - serotypes, meat products, Italy 1930
 - silage, identification, polymerase chain reaction 1834
 - smoked fish
 - microbial contamination
 - processing 145
 - storage 145
 - starvation, adhesion, beef 1318
 - survival
 - chitin, disinfectants 151
 - milk products, storage 1336
 - yoghurt, storage 1336
 - virulence
 - foods, health hazards, reviews 1205
 - genes, monitoring 7
 - Yersinia enterocolitica*, milk, growth, biological competition 198
 - Listeria welshimeri***
 - inhibition
 - Leuconostoc mesenteroides*, bacteriocins 5
 - organic acids 5
 - Listeriolysin***, production, foods, contamination, *Listeria monocytogenes*, genetics, Taiwan 1852
 - Livers as food**, microbial contamination, sampling 169
 - Livestock**
 - effects
 - feeds
 - contamination
 - ochratoxins, reviews 72
 - vomitoxin, reviews 72
 - zearalenone, reviews 72
 - Lyrodus singapureana***, wood, biodeterioration, marine borers, India 220
 - Mackerels**, amines, production, bacteria 749
 - Macrophytes**, algae, piggy effluent, treatment, biomass, production, feeds 2174
 - Magnesium peroxide**, water purification, diatomite 1366
 - Maize**
 - aflatoxins 97
 - inactivation
 - drying
 - Philippines 811
 - Thailand 811
 - anaerobic digestion, methane production, kinetics 1587
 - Aspergillus flavus*, mycotoxins 707
 - Aspergillus nomius*, mycotoxins 707
 - Aspergillus parasiticus*, mycotoxins 707
 - doughs, fermented foods, microbial flora, Mexico 1906
 - Fusarium*, mycotoxins 96
 - Gibberella*, mycotoxins 96
 - Gibberella fujikuroi*, mycotoxins, production 686
 - milling, effluents, bioreactors, anaerobic treatment 2419
 - mycotoxins
 - production, *Fusarium moniliforme* 1897
 - segregation 65
 - Maize cont.**
 - resistance, stored products pests, *Sitophilus zeamais*, storage quality, breeding 705
 - silage, production, lactic acid bacteria 1122
 - storage decay
 - Aspergillus*
 - control
 - iprodione 1268-1269
 - thiabendazole 1269
 - mycotoxins
 - production
 - Aspergillus*
 - thiophanate-methyl, control 819
 - thiram, control 819
 - Penicillium**
 - control
 - iprodione 1268-1269
 - thiabendazole 1269
 - stored products pests
 - control
 - plant extracts 95
 - tralomethrin 85
 - utilization, ethanol production, *Saccharomyces cerevisiae*, genetic engineering 2181
 - Maize steep liquor**, utilization, xanthan, production, *Xanthomonas campestris* 380
 - Maize stover**
 - biodegradation
 - Cyathus stercoreus* 1594
 - Dichomitus squalens* 1594
 - Phanerochaete chrysosporium* 1594
 - rumen microorganisms, interactions 418
 - upgrading
 - feeds
 - production
 - Candida utilis* 943
 - Chaetomium cellulolyticum* 943
 - Malaysia**
 - agricultural wastes
 - anaerobic treatment, books 1724
 - biological treatment
 - biotechnology, reviews 1117
 - books 1620, 1686, 1748-1749, 1753, 1779, 1846
 - industrial wastes
 - anaerobic treatment, books 1724
 - biological treatment, books 1620, 1686, 1748-1749, 1753, 1779, 1846
 - palm oil mill effluent, biological treatment 1724
 - rubber industry, wastes, biological treatment 1753
 - sewage, treatment 1779
 - textile industry
 - waste water, biological treatment 1749
 - wastes, biological treatment 1748
 - wastes, heavy metals, removal, biological treatment 1686
 - Malt**, fungi, detection 1283
 - Malta**
 - sewage
 - treatment, reviews 559
 - waste water treatment, reviews 559
 - Malting**
 - millets
 - Aspergillus*, enzymes 1139
 - Bacillus*, enzymes 1139
 - sorghum
 - Aspergillus*, enzymes 1139
 - Bacillus*, enzymes 1139
 - Mandelic acid**, oxidation, *Alcaligenes bronchisepticus* 964
 - Manganese**
 - precipitation, microbial activities, drainage channels 475
 - water, removal, microorganisms 2345
 - Mangos**
 - damage, cold storage, *Rattus rattus*, control 1395
 - fungi, control, packaging materials, plastic film 131

- Mangos cont.**
postharvest decay, control, packaging materials, plastic film 131
- Manilkara zapota**
postharvest decay
microbial contamination control
benomyl 1294
captafol 1294
captan 1294
- Manures**
biodegradation, vermiculture 376
topsoil, composting 888
utilization, vegetables, growing media 541
- Marine areas**
sediment, polychlorinated biphenyls, biodegradation, USA 2298
sediments, trichlorobenzene, biodegradation, Japan 2199
- Marine borers, wood, biodeterioration, *Lyrodus singaporeana*, India 220**
- Marine environment**
aerobic conditions, skeleton, mineralized, biodegradation, bacteria 2365
algal blooms, *Amphichrysis compressa*, water pollution, Egypt 2008
anaerobic conditions, skeleton, mineralized, biodegradation, bacteria 2365
antiinfective agents, production, *Chlorella*, light, induction 1967
Arsenobetaine, microorganisms, suspended solids 2209
biodegradation, microorganisms, suspended solids 2209
cadmium, uptake, *Microcystis pyriforma* 1061
contamination, viruses, environmental assessment, risk 748
Dinophysis sacculus, blooms, toxins, analysis, hplc, France 2009
fatty acids, biodegradation, sediment, fish farming, antibacterial agents, control 2311
hydrogen, production, *Anabaena*, photosynthesis 2192
petroleum hydrocarbons
biodegradation
bacteria, sodium chloride, effects 1634
surfactants, production, bacteria 2263
pollution, red tides, *Gymnodinium* 842
seafoods, contamination, *Vibrio parahaemolyticus*, India 1383
shipwrecks, wood, biodeterioration, Indian Ocean 1943
sulfur, uptake, benzene, tolerance, *Bacillus*, Japan 2374
toxins, production, dinophyta, Australia 1391
- Marine fouling, corals** 1348
- Marine pollution**, coastal areas, microbial contamination, shellfish, USA 2033
- Marinobacter hydrocarbonoclasticus**
alkanes, biodegradation, nutrients 1624
decane, biodegradation, nutrients 1624
- Materials**
biodeterioration
microorganisms 258
standards, USA 1850
- Mathematical models**
acetates, interspecies transfer, bacteria, methane 2281
activated sludge
aeration 911
clarifiers, analysis, Spain 2136
kinetics 353
algae, biomass, lakes, phosphorus, input 849
aromatic compounds, biodegradation, activated sludge, unacclimated 961
biodegradation, microorganisms, growth, kinetics, classification 2035
biofilms, inhibition, organic compounds, biodegradation, kinetics 406
bioreactors
Acetobacter, assays 589
algae, bacteria, clay, waste water treatment 1491
- Mathematical models cont.**
butyrate, biodegradation, methanogenic bacteria 2210
carbon, mineralization, soil, microbial activities 495-496
ciliates, activated sludge 2134
denitrification, phosphorus, removal, activated sludge 2132
drinking water, treatment, design 1113
dynamic models
distillery effluent, anaerobic treatment, fluidized beds, biological, control 1509
nitrogen, removal, activated sludge 2393
ethanol production, organic wastes, anaerobic digestion, kinetics 915
fermentation products, bioreactors, control 508
fish ponds, nitrogen, cycling, microbial degradation 2387
heavy metals, uptake, plants 2341
hydrolysis, organic matter, colloids, biodegradation, biofilms, bioreactors 2089
kinetic models, nitrogen, removal, sewage, treatment, oxidation ditches, aeration, control 1710
lakes, eutrophication, management 849
Listeria monocytogenes, growth, kinetics, aerobic conditions 1853
methane production, organic wastes, anaerobic digestion, kinetics 915
microorganisms, growth, sewage, phosphorus, removal, activated sludge, aerobic conditions 2413
nitrogen, mineralization, soil, microbial activities 495-496
organic compounds, biodegradation, groundwater 2223
organic matter, anaerobic digestion, methane production, microbial flora 1553
phenols, biodegradation, *Pseudomonas putida* 2296
phosphorus
algal blooms, estimation, reservoirs, eutrophication, Brazil 1714
removal, anaerobic digestion 1089
ponds
waste water treatment
faecal coliforms, removal 1488
nematoda, eggs, removal, Jordan 1487
optimization 1489
prepared foods, *Listeria monocytogenes* 1287
sewage
treatment
biological filtration 2123
sedimentation tanks, operation 2040
silage, production, aerobic conditions 1124
soil, contamination, petroleum hydrocarbons, bioremediation 861
statistical analysis, microorganisms, release, environment, survival, books 643
substrates, biodegradation, dynamics, anaerobic treatment, bioreactors 335
whey
biodegradation
Kluyveromyces fragilis
growth 2169
lactose, metabolism 2170
oxygen, utilization 2171
- Mayonnaise**
contamination
salads
pasta, bacteria, control, temperature 721
poultry meat, bacteria, control, temperature 721
- Meat**
bacteria, adhesion, reviews 154
bacterial count, Egypt 159
biodeterioration, pathogens, lactic acid bacteria, sodium chloride, control, India 1972
Brochothrix, detection 1218
- Meat cont.**
Escherichia coli, enumeration 676
foodborne diseases, *Listeria monocytogenes* 1990
keeping quality, control, lactates 671
Listeria monocytogenes
control, lactates 671
isolation 1315
microbial contamination 36
Toxoplasma gondii 1314
microbial flora, biogenic amines, production, pH 155
microbiology
Egypt 158
techniques 43
quality, packaging 156
vacuum packaging, lactic acid bacteria, mathematical models 1316
- Meat hygiene**
beef, carcasses, assessment 756
cattle dung, abattoirs, legislation, Finland 754
meat products, beef, contamination, aphthovirus 175
microbial contamination, monitoring, Spain 1862
wild pigs 166
- Meat products**
bacterial count, Egypt 163
beef, contamination, aphthovirus, meat hygiene 175
biodeterioration, pathogens, lactic acid bacteria, sodium chloride, control, India 1972
coliform bacteria, estimation 172
contamination
enterotoxins, production, *Staphylococcus aureus*, Iraq 1892
Escherichia coli 762
gram negative bacteria, control 1935
Listeria, Australia 22
microorganisms, India 1931
Salmonella mikawasima, food poisoning, UK 1214
Escherichia coli
characterization 763
food poisoning, USA 752
ground beef, contamination, verocytotoxins, production, *Escherichia coli*, Italy 54
Listeria
isolation 674
South Africa 170
Listeria monocytogenes
isolation 1315
Italy 171, 765
microorganisms, interactions, isolation 1927
serotypes, Italy 1930
microbial contamination 36
legislation
European Communities 761
Italy 761
microbiology, techniques 43
Micrococcaceae, antagonism, *Staphylococcus aureus* 1933
processing, air quality, microbial contamination 1322
Yersinia, Egypt 173
Yersinia enterocolitica, Argentina 729
- Meatworks effluent, irrigation, soil, denitrification** 369
- Mecoprop**, biodegradation, bioreactors, biological fixed-film systems, granular activated carbon, supports 1668
- Media**, comparisons, dairy industry, waste water, biological filtration 2425
- Medicago sativa**, silage, production, lactic acid bacteria 1122
- Melamine**, microorganisms, growth, inhibition 254
- Melons**
postharvest decay
Alternaria alternata, control 1298
Fusarium, control 1298
storage decay
control, hot water treatment 740
Epicoccum nigrum 739
- Membranes**
activated sludge, separation, economics 909

Membranes cont.

- ultrafiltration
 - anaerobic treatment, wool production, waste water 1457
 - waste water
 - endotoxins, removal 1969
 - viruses, removal 1969
 - water
 - endotoxins, removal 1969
 - viruses, removal 1969
- utilization
 - activated sludge
 - aerobes, removal 2126
 - coliform bacteria, removal 2126

Mercury

- removal
 - industrial wastes
 - waste water
 - Fucus serratus* 1065
 - Laminaria digitalis* 1065
 - Pseudomonas putida*, kinetics 2352
 - waste water, *Chlorella*, immobilization, bioreactors 2348
 - resistance, *Bacillus*, plasmids 576
 - sorption, *Trichoderma harzianum* 481
 - tolerance, microorganisms, biochemistry 1069
 - uptake, fresh water, bacteria, USA 1681
 - volatilization, *Beijerinckia mobilis*, enzymes 2350

Metal working fluids, biodegradation, biological treatment, comparisons 2475**Metallosphaera sedula**, coal, pyrites, oxidation 2376**Metals**

- bacterial leaching
 - genetic engineering 480
 - ores, India 2456
- biodeterioration, microorganisms 258
- immobilization, bacteria, reviews 578
- processing, waste water treatment, ponds, microorganisms, chromium, resistance, isolation, USA, California 1808
- production, waste water, copper, uptake, *Eichhornia crassipes*, biomass 2336
- removal, industrial wastes, biological treatment 2456
- resistance
 - Acinetobacter baumannii* 1370
 - Acinetobacter calcoaceticus* 1370
 - Acinetobacter junii* 1370
- salts, effects, methane production, *Eichhornia crassipes*, cattle dung, anaerobic digestion 2250
- uptake
 - bacteria, polysaccharides 1071
 - Gram negative bacteria
 - polluted soils 2347
 - sewage 2347
 - Zoogloea ramigera*, polysaccharides 1071

Metalworking, waste water, biological treatment, bioreactors, membranes 1758**Methane**

- biodegradation
 - kinetics, methanotrophic bacteria 2271
 - psychrotrophic bacteria, enzymes, biochemistry 2280
- emissions, sewage sludge, biological treatment, USA, New Hampshire 2135
- landfills, bioremediation, mycorrhizal fungi 2164
- oxidation, bacteria, genetics, reviews 2500
- utilization, poly- β -hydroxybutyrate, production, *Methylbacterium extorquens*, new species 1146

Methane production

- acetates, anaerobic digestion, cobalt, effects 1671
- activated sludge, excess, anaerobic digestion, heavy metals, effects 924
- agricultural wastes, composting, anaerobic conditions, Egypt 537
- algae, fermentation, bioreactors 956
- anaerobes
 - anaerobic digesters, determination 1507

Methane production cont.

- anaerobes cont.
 - chemicals, industrial, inhibition 1505
 - anaerobic digestion, determination 1520
 - animal wastes
 - anaerobic digestion, mathematical models 542
 - slurries, anaerobic digestion 2480
 - bog soils
 - boreal forests 1579
 - tundra 1579
 - carbon dioxide, fermentation, bioreactors, anaerobic conditions, kinetics 385
 - cattle dung, anaerobic digestion, surfactants 2193
 - cattle dung + poultry manure + whey
 - anaerobic digestion
 - retention 2152
 - temperature 2152
 - cattle slurry, anaerobic digestion, temperature 1762
 - cellulose, anaerobic digestion, kinetics 1587
 - coal, biodegradation, reviews 2471
 - crop residues, animal wastes, anaerobic digestion 2191
 - distillers' spent wash, biological fixed-film systems, anaerobic conditions 386
 - distillery effluent, treatment, anaerobic digesters, ultrafiltration 2422
 - Eichhornia crassipes*
 - air pollution, India 285
 - cattle dung, anaerobic digestion, metals, salts, effects 2250
 - fuels, biotechnology, reviews 2190
 - green manures, production, reviews 2186
 - groundwater, Russia 2196
 - hydrogen, fermentation, bioreactors, anaerobic conditions, kinetics 385
 - inhibition, anaerobic digestion, chemicals, monitoring 1191
 - landfills
 - bacteria 936
 - refuse, USA, New York 1536
 - lignite, biodegradation, *Zootermopsis* 2471
 - maize, anaerobic digestion, kinetics 1587
 - Methanococcus jannaschii*
 - hydrogenase, continuous culture 1552
 - proteinases, continuous culture 1552
 - methanol, anaerobic digestion, cobalt, effects 1671
 - microorganisms
 - anaerobic treatment
 - inhibition
 - chloroanilines 1441
 - chlorophenols 1441
 - nitrogen, anaerobic digesters, simulation models 1523
 - organic matter, anaerobic digestion, microbial flora, mathematical models 1553
 - organic wastes
 - anaerobic digestion, kinetics, mathematical models 915
 - refuse, composting, anaerobic treatment 1466
 - peat, biodegradation, bogs 1133
 - pig manure, biological filtration, carriers, anaerobic conditions 887
 - poultry manure, anaerobic digestion, surfactants 2193
 - refuse
 - anaerobic digestion 2189, 2489
 - biodegradation, anaerobic treatment, landfills 1556
 - sewage
 - anaerobic digestion, two-phase, assessment 2148
 - bioreactors, anaerobic treatment, Japan 1447
 - sludges, anaerobic treatment, toxic substances 2044
 - sorghum, anaerobic digestion, kinetics 1587
 - sugarcane bagasse, anaerobic digestion, pretreatment 2260
 - villages, wastes, composting, anaerobic conditions, Egypt 537

Methane production cont.

- wastes, biodegradation, anaerobic digestion, evaluation 2194
- whey, anaerobic digestion, surfactants 2193
- Methanethiol**, biodegradation, methanobacteriaceae, *Methanolobus siciliae*, *Methanohalophilus*, *Methanococcoides*, *Methanosarcina* 2195
- Methanobacteriaceae**
 - anaerobic digesters, estimation, glycerolipids 2573
 - organic matter, biodegradation, temperature 1567
 - tundra soils, Russia 1145
 - waste water, anaerobic treatment 886
- Methanobacterium thermoautotrophicum**, carboxylic acids, biodegradation, anaerobic treatment 2284
- Methanobrevibacter arboriphilus**, organic matter, lactate, biodegradation, fluidized beds, anaerobic conditions 2497
- Methanococcus**, trinitrotoluene, biodegradation, lakes, sediment, USA 2241
- Methanococcus jannaschii**
 - methane production
 - hydrogenase, continuous culture 1552
 - proteinases, continuous culture 1552
- Methanoculleus**, organic matter, lactate, biodegradation, fluidized beds, anaerobic conditions 2497
- Methanogenic bacteria**, butyrates, biodegradation, mathematical models 2210
- Methanol**
 - biodegradation
 - amino acids, production, *Methylobacillus flagellatum*, determination 946
 - carotenoids, production, *Methylobacterium* 945
 - polyhydroxybutyrate, production, *Hyphomicrobium zavarzinii* subsp. *chengduense* 2175
 - methane production, anaerobic digestion, cobalt, effects 1671
 - oxidation
 - bacteria, genetics, reviews 2500
 - Gram negative bacteria, genes, nomenclature 2326
 - inhibition by, EDTA, bacteria 960
 - Methylomonas*, genetics 1149
 - utilization
 - Aspergillus niger* 2328
 - yeasts, enzyme activity 1824
- Methanosarcina**, bioreactors, anaerobic treatment, granules, formation 1445
- Methanothrix**
 - bioreactors, anaerobic treatment, granules, formation 1445
 - organic matter, lactate, biodegradation, fluidized beds, anaerobic conditions 2497
 - waste water, anaerobic treatment 886
- Methanotrophic bacteria**, methane, biodegradation, kinetics 2271
- Methyl bromide**, wood, insect pests, control, New Zealand 221
- Methyl ether**, nitrification, *Nitrosomonas europaea*, inhibition 2391
- Methyl sulfide**
 - biodegradation
 - amendments, estuaries, USA, Georgia 2375
 - Hyphomicrobium* 2366
 - methanobacteriaceae, *Methanolobus siciliae*, *Methanohalophilus*, *Methanococcoides*, *Methanosarcina* 2195
- 2-Methylisoborneol**, production, Actinomycetales, temperature 277
- Methylmercury**
 - biodegradation, *Desulfovibrio desulfuricans* 2377
 - resistance, *Desulfovibrio desulfuricans* 2377
- Methylbacterium flagellatum**, methanol, biodegradation, amino acids, production, determination 946
- Methylbacterium**, carotenoids, production, methanol, biodegradation 945

Methylobacterium extorquens
new species, methane, utilization, poly- β -hydroxybutyrate, production 1146
polyhydroxybutyrate, production 2509

Methylomonas, methanol, oxidation, genetics 1149

Methylotrophus methylotrophus, oxidoreductases, genetics 2523

Methylosinus trichosporium, methane monooxygenase, enzyme activity, trichloroethene, biodegradation, bioreactors 1800

Mexico
foods, contamination, *Salmonella*, supermarkets 656
maize, doughs, fermented foods, microbial flora 1906

Microbial activities
arsenic, toxicity, denitrification, sediment 498
carbon, mineralization, soil, mathematical models 495-496
genetics, environment, effects 1785
heavy metals, inhibition, rivers, Germany, determination, amino acids 845
herbicides, residues, soil, biodegradation 468
iron, precipitation, drainage channels 475
lakes, Switzerland 846
landfills
biogas, production 372
greenhouse gases, production 372
manganese, precipitation, drainage channels 475
nitrogen, mineralization, soil, mathematical models 495-496
odours, removal, air, scrubbers, bioreactors, soil 1106
phosphorus
immobilization
nitrates
availability
activated sludge, Germany 499
sediment, water systems, Germany 499
pollutants, aquifers, reviews 2021
soil
NPK fertilizers 494
reviews 314
waste disposal sites
biogas, production 372
greenhouse gases, production 372

Microbial contamination
animal housing 851
Annona muricata, syrups, yeasts, Puerto Rico 1280
assessment, mineral waters, bacterial count, Italy 666
beef
carcasses, estimation 162
packaging, poly(vinyl chloride), culture media 753
books, air spora, reviews 1955
cattle housing 851
cheeses
Germany 187
manufacture, brine, Brazil 1940
chicken meat, *Aeromonas* 1326
chilled foods, health hazards, reviews 1233
coconut products
shelf life
preservation 1293
storage 1293
control
beef, carcasses, hot water treatment 812
benomyl, postharvest decay, *Manilkara zapota* 1294
bioreactors, fermentation products 1729
captafol, postharvest decay, *Manilkara zapota* 1294
captan, postharvest decay, *Manilkara zapota* 1294
culinary herbs 720
drinking water, disinfection, chlorine, Spain 662
fish, *Carnobacterium* 150

Microbial contamination cont.
control cont.
food 1230
food industry 1228
foods
disinfectants, reviews 1979
packaging 49
preservation 49
radiation 1970
pickles, gizzard, India 116
shrimps, glucose oxidase 144
soft drinks, legislation, Italy 726
spices 720
water supplies, disinfection, chlorine, Spain 662
cream, syrups, yeasts, Puerto Rico 1280
dairy factories
cleaning, reviews 514
sterilization, reviews 514
drinking water, Jordan 30
enteral feeding 18
ewe milk, milking machines, sterilization, detergents 200
feeds, poultry, *Streptomyces*, enzyme activity, control, irradiation, Egypt 82
fish culture, waste water, recycling, ponds, fish, Developing Countries 1312
fish farms, water quality, UK 1533
food hygiene, techniques, determination 1863
food industry 1227
water purification, filters, bacteria 33
foods 36
Clostridium, identification, test kits 2583
control, USA 809
Listeria monocytogenes, Italy 1204
packaging, control 1877
grain legumes
seeds
Aspergillus
control
flavones 1306
isoflavones 1306
Penicillium
control
flavones 1306
isoflavones 1306
groundwater
health hazards 2022
runoff, faecal coliforms, USA 296
septic tank effluents 2023
techniques, analysis, sampling 2024
water supply, health hazards, USA, reviews 2019
ham, curing, fungi 174
hospital diets, Italy 15
Listeria
cheesemaking, quality controls 26
dried milk, manufacture, quality controls 26
livers as food, sampling 169
meat, *Toxoplasma gondii* 1314
meat hygiene, monitoring, Spain 1862
meat products
legislation
European Communities 761
Italy 761
milk
Bacillus 203
Germany 187, 193
sterilization 189
milk products
bacteria
Croatia 191
detection 201
DNA hybridization 201
DNA probes 201
polymerase chain reaction 201
mineral waters, bottled, bacterial count 1225
mustard
production
aerobes 1910
anaerobes 1910
paintings, air spora, reviews 1956
ponds
fresh water, fish, India 142
sewage effluent, fish, India 142

Microbial contamination cont.
poultry, carcasses, food processing, USA 1323
poultry meat 178
prepared foods, Benin 728
prevention, enteral feeding, solutions 648
rabbits, carcasses, Egypt 157
refuse, containers 2495
rice + vegetables, *Saccharomyces*, Japan 1288
salads, coliform bacteria, identification 1914
Salmonella
cheesemaking, quality controls 26
dried milk, manufacture, quality controls 26
sausages, *Micrococcus* 1934
sesame, syrups, yeasts, Puerto Rico 1280
shellfish, marine pollution, coastal areas, USA 2033
shrimps
food hygiene, Senegal 1309
food quality, Senegal 1309
smoked fish
Listeria monocytogenes
processing 145
storage 145
soaps 1338
starch, disinfection, ethylene dioxide 1367
steel mills, water systems, cleaning, health hazards 2474
stormwater, disinfection 2031
Tamarindus indica, syrups, yeasts, Puerto Rico 1280
tofu 115
vending machines, beverages 667
water resources, *Microcystis aeruginosa*, microcystin, production, Portugal 1872
water supply, *Cryptosporidium*, USA, Wisconsin 1224
water systems, dental 1347
wheat, flours, production, Italy 1908
wheat straw
aflatoxins, feeds, digestibility 73
citrinin, feeds, digestibility 73
ochratoxins, feeds, digestibility 73
patulin, feeds, digestibility 73
penicillit acid, feeds, digestibility 73
sterigmatocystin, feeds, digestibility 73
whey
fermentation 509
sterilization 189
winemaking, biological control 110
works of art, air spora, reviews 1954

Microbial corrosion
concrete, *Thiobacillus*, heavy metals, resistance 1963
control, water systems, steel, concrete, utilization, South Africa 805
iron, reviews 233
mortar, characterization, control 802
rocks, reviews 233
stonework, reviews 233
surfaces, metals, animal housing 1961

Microbial degradation
amino acids
production
ethanol production
cellulosic wastes, reviews, USSR 988
lignocellulosic wastes, reviews, USSR 988
anaerobic conditions, organic nitrogen compounds 970
biomass
utilization
biochemicals, production 1543
chemicals, production 1543
plastics, production 1543

coal
upgrading
biochemistry, reviews 2465
chemistry, reviews 2465

ethanol production
cellulosic wastes, reviews, USSR 988
lignocellulosic wastes, reviews, USSR 988

- Microbial degradation** cont.
 fish ponds, nitrogen, cycling, mathematical models 2387
 fruit, reviews 1916
 fruit crops, reviews 1916
 petroleum hydrocarbons, sludges, application to land, Belgium 1528
 silage, fish, storage 1773
 vegetables, reviews 1916
 water, treatment, biotechnology 2450
- Microbial flora**
 acclimated, pesticides, biodegradation, soil, composts, application 2319
 activated sludge
 anaerobic treatment 1477
 substrates, utilization 905
 adaptation, lead, pollution, soil 482
 anaerobic conditions, chlorinated benzenes, biodegradation, sediment, lakes, Netherlands 1631
 bottled water, reviews 1869
 cheeses
 Jordan 1333
 Slovakia 205
 chromates, removal, sewage sludge 1778
 control
 milk
 products
 packaging 207
 potassium sorbate 207
 cultured cream, Yugoslavia 1335
 diesel oil, biodegradation, soil, bioremediation, groundwater level 1003
 doughs, breadmaking 1907
 effects, sulfides, production, ponds, sewage, treatment 1496
 enhancement
 aromatic hydrocarbons, sediment, contamination, bioremediation, on-site 1419
 trichloroethylene, sediment, contamination, bioremediation, on-site 1419
 enzymes, enrichment, polychlorinated biphenyls, biodegradation, polluted soils, bioremediation 1625
 food, detection, luminescence 1229
 interactions, breadmaking, fermentation 1273
 kraft mill effluent, anaerobic treatment, biological fixed-film systems, Sweden 1747
 maize, doughs, fermented foods, Mexico 1906
 meat, biogenic amines, production, pH 155
 milk
 Egypt 1330
 estimation 42
 milk testing, Germany 188
 nitrates, removal, sewage sludge 1778
 organic matter, anaerobic digestion, methane production, mathematical models 1553
 oxalates, removal, sewage sludge 1778
 phenolic compounds, polluted soils, bioremediation 1035
 phosphates, removal, sewage sludge 1778
 sausages 766
 sediment, rivers, trichlorobiphenyl, biodegradation, USA 1647
 soil, glucose, biodegradation, Brazil 1571
 solvents, biodegradation, determination, respirometry 2362
 sulfates, removal, sewage sludge 1778
 thiosulfates, removal, sewage sludge 1778
 wheat bran, fermentation, anaerobic treatment, methodology 985
 yeasts, breadmaking 1907
 yoghurt, Egypt 1337
- Microbially enhanced oil recovery**
Bacillus 1622
 biotechnology, reviews 1132
 reservoirs, petroleum, USA 1010
 reviews 1006
- Microbiology**
 aquatic environment, reviews 826
 beers 725
 brewing 725
- Microbiology** cont.
 drinking water, water quality, reviews 664
 food industry, biotechnology 1226
 food processing, evaluation 45
 fruit, reviews 1916
 fruit crops, reviews 1916
 groundwater, pollution, books 2018-2026, 2223
 landfills
 biogas, production 372
 greenhouse gases, production 372
 meat
 Egypt 158
 techniques 43
 meat products, techniques 43
 sewage
 aerobic treatment, reviews 874
 anaerobic treatment, reviews 874
 vegetables, reviews 1916
 waste disposal sites
 biogas, production 372
 greenhouse gases, production 372
 water quality, standards, books 646
 water reuse, reviews, Jordan 1550
- Micrococcaceae**, antagonism, meat products, *Staphylococcus aureus* 1933
- Micrococcus**
 chloroacetophenone, biodegradation 2220
 fermented foods, sausages, starters 1319
 petroleum hydrocarbons, desulfurization 1621
 sausages, microbial contamination 1934
- Micrococcus luteus**
 inhibition
 by *Bacillus circulans* 1350
 by *Bacillus polymyxa* 1350
- Microcystin**, production, water resources, microbial contamination, *Microcystis aeruginosa*, Portugal 1872
- Microcystis**
 flotation, sedimentation, algal blooms, lakes, Japan 284
 lakes, toxins, production, Japan 2016
- Microcystis aeruginosa**
 hepatotoxins, lakes, Finland 2013
 lysis, *Pseudomonas*, waste water 588
 reservoirs, eutrophication, Czech Republic 2029
 toxins, production, heavy metals, effects 2010
 water resources, microbial contamination, microcystin, production, Portugal 1872
- Microcystis pyriformis**, cadmium, uptake, marine environment 1061
- Micromycetes**, minerals, kalsilate, biodegradation 1080
- Microorganisms**
 acclimation, organic compounds, environment, reviews 2197
 acclimatization, aquifers, pollution, bioremediation, reviews 848
 acetates
 production
 anaerobic treatment
 inhibition
 chboroanilines 1441
 chlorophenols 1441
 activated sludge
 amine oxides, biodegradation 399
 quaternary ammonium compounds, biodegradation 399
 adhesion, filters, materials, biofilms, formation, biological filtration 904
 aerosols
 release, activated sludge, aeration, comparisons 2127
 samplers 624
 alkanes, biodegradation, lipids, content 1577
 amygdalin, biodegradation, screening 2571
 anthracene, biodegradation, Egypt 1617
 atrazine, biodegradation, soil 1054, 1664
 biodegradation, isolation 2587
 biomass
 limitations, aromatic hydrocarbons, biodegradation, soil 2286
- Microorganisms** cont.
 biomass cont.
 soil, heavy metals, residual effects, sewage sludge, application to land 299
 bioreactors, soil, bioremediation 869
 bioremediation 2054
 reviews 2046
 biotechnology, reviews 1138
 broccoli, modified atmosphere storage, temperature 743
 butylate, biodegradation, soil 1054
 cadmium
 removal
 waste water 2334
 water 2334
 calcium oxalate, patinas, stonework 1962
 carbofuran, biodegradation, soil, France 1047
 carbon dioxide
 production
 sewage, anaerobic treatment, bioreactors, monitoring 1437
 waste water, anaerobic treatment, bioreactors, monitoring 1437
 carboxylic ester hydrolases, production, food biotechnology, reviews 567
 cellulose, biodegradation, cellulase, reviews 419
 cereal grains, contamination, food hygiene, reviews 668
 3-chloronitrobenzene, biodegradation, bioreactors, membranes 2430
 chromium, resistance, metals, processing, waste water treatment, ponds, isolation, USA, California 1808
 coal
 depolymerization, fuels, production 2470
 solubilization, biotechnology 1757
 upgrading, books 2464-2473
 cold adapted, properties, biotechnology, potential, reviews 2552
 colonization, biological filtration, activated carbon, drinking water, treatment, France 2452
 drilling, fluids, utilization, oilfields, Nigeria 1342
 energy sources, photosynthesis, solar radiation 1531
 environment
 alkaline, biotechnology, enzymes, reviews 2534
 bioremediation, reviews 2057
 enzymes
 detergents, biodegradation 2327
 polymers, biodegradation 2327
 poly(vinyl alcohol), biodegradation 2327
 xytan, biodegradation, reviews 2249
 ethylflurulin, biodegradation, soil 1054
 ethylpyridines, biodegradation 2213
 flours, contamination, food hygiene, reviews 668
 1-4-fluorophenyl-4-(5-fluoro-2-pyrimidinyl)-1-piperazinylbutan-1-one, reduction 568
 food preservatives, production, books 1201
 foods, detection 40
 glucose, biodegradation, forest soils, USA 458
 groundwater, pollution, biochemical techniques 2025
 growth
 chlorinated aliphatic compounds, biodegradation 1570
 competitive ability 1137
 inhibition, melamine 254
 kinetics 1137
 biodegradation, mathematical models, classification 2035
 carbon, substrates 994
 nutrients, reviews 1136
 reviews 1135
 mathematical models, sewage, phosphorus, removal, activated sludge, aerobic conditions 2413
 pollutants, concentration, threshold 2231

- Microorganisms cont.**
- growth *cont.*
 - substrates, biodegradation, reviews 228
 - heavy metals
 - removal
 - environment, reviews 2356
 - hazardous wastes, enhancement, cysteine 2355
 - uptake, biotechnology, reviews 2536
 - hexoses
 - utilization
 - organic acids, production, reviews 1582
 - solvents, production, reviews 1582
 - hydrogen, production, Germany, reviews 383
 - identification, mushroom compost, production, plant residues, biodegradation 1595
 - immobilization, biofilms, bioreactors, waste water treatment, reviews 2086
 - industrial wastes, chromium, removal 2337
 - inoculation, organic compounds, biodegradation, improvement 2238
 - inoculation methods, polluted soils, aromatic hydrocarbons, bioremediation 2076
 - interactions, meat products, *Listeria monocytogenes*, isolation 1927
 - iron, removal 1675
 - isobutane, biodegradation, bioreactors 1623
 - isolation, soil, chloroalkenes, biodegradation 2282
 - lactose, utilization, reviews 1103
 - lead
 - removal
 - waste water 2334
 - water 2334
 - lignocellulosic wastes, biodegradation, reviews 1607
 - linuron, biodegradation, soil 1054
 - manganese, water, removal 2345
 - materials, biodeterioration 258
 - meat products, contamination, India 1931
 - mercury, tolerance, biochemistry 1069
 - methane production
 - anaerobic treatment inhibition
 - chloroanilines 1441
 - chlorophenols 1441
 - metolachlor, biodegradation, soil 1054
 - metribuzin, biodegradation, soil 1054
 - minerals, kalsilate, biodegradation 1080
 - morphology
 - diversity
 - plant residues
 - biodegradation
 - lakes
 - Armenia 1592
 - Latvia 1592
 - naphthalene, biodegradation, Egypt 1617
 - nitrification, acid soils, Australia 497
 - nitrobenzene, biodegradation, bioreactors, membranes 2430
 - nitrogen, removal, coal 2472
 - nitrophenols, biodegradation, kinetics 1644
 - organic compounds
 - activation 2229
 - biodegradation, reviews 1413
 - cometabolism 2236
 - production, coal, solubilization, sample processing 1410
 - organic halogen compounds, biodegradation, reviews 976
 - pentane, biodegradation, bioreactors 1623
 - pentoses
 - utilization
 - organic acids, production, reviews 1582
 - solvents, production, reviews 1582
 - petroleum hydrocarbons
 - biodegradation, environment, bioremediation, Israel 1619
 - Microorganisms cont.**
 - petroleum hydrocarbons *cont.*
 - residues, biodegradation, application to land 1620
 - phenolic acids, biodegradation, forest soils, USA 458
 - phenolic compounds, biodegradation, reviews 1413
 - phenols, biodegradation, kinetics 1644-1645
 - phosphates, uptake, lakes, Russia 1090
 - phosphorus, transformations, lakes, sediment, Hungary 2404
 - pollutants, cometabolism 2236
 - polluted soils, bioremediation 1413
 - polluted water, bioremediation 1413
 - pollution
 - bioremediation 858
 - coastal areas, United Arab Emirates 850
 - organic compounds, bioremediation 2224
 - polyhydroxybutyrate, production, physical properties 2184
 - polyhydroxyvalerate, production, physical properties 2184
 - polymers, biodegradation, reviews 1020
 - poultry meat, contamination, cold storage, food irradiation, control 1358
 - radionuclides, uptake, biotechnology, reviews 2536
 - regrowth, water distribution, humic acids, biodegradation, water purification 2216
 - release, environment, survival, statistical analysis, books 643
 - removal, ponds, waste water treatment, performance 362
 - rice straw, biodegradation, carbon, nitrogen, ratios 2254
 - saline
 - biotechnology 2532
 - food, spoilage 2532
 - sampling, foods, liquids, computer simulation 25
 - sewage sludge, heavy metals, removal 1072
 - soil fauna, lignin, biodegradation, interactions 1001
 - soil pollution, organic compounds, biodegradation 2290
 - sulfates, liming, mobilization, soil 488
 - sulfur
 - removal
 - coal 2472
 - bioreactors, coal mine spoil 2460
 - surfactants, production, utilization, reviews 957
 - survival
 - fish pastes, pressure treatment 814
 - hostile environments, books 2530-2537
 - suspended solids
 - Arsenobetaine, marine environment 2209
 - biodegradation, marine environment 2209
 - toxins, production, shellfish, poisoning, Japan 259
 - transport processes, pollution, groundwater, bioremediation 2059
 - trifluralin, biodegradation, soil 1054
 - waste water treatment, organic compounds, mixtures, toxicity, quantitative techniques, assessment 2087
 - water supplies, contamination, reviews 806
 - water systems, contamination, reviews 806
 - whey, utilization, reviews 1103
 - wood, biodeterioration 1942
 - wood chips, biodeterioration, storage 214
 - yoghurt, containers, defects, collapse, Italy 210
 - zinc
 - sorption, activated sludge 1063
 - water, removal 2345
 - Microwave cooking**, beef, *Enterococcus faecalis*, survival 755
 - Microwave radiation**
 - patulin, inactivation 57
 - surgical instruments, sterilization 804
 - Middle East**
 - waste water
 - utilization
 - agriculture, reviews 370
 - irrigation, reviews 370
 - Milk**
 - aflatoxins
 - detection, ELISA 1239
 - determination 1261
 - detoxification 64
 - monitoring, France 772
 - Spain 195
 - bacteria, control, bactofugation 184
 - bacterial count
 - determination 777
 - estimation 42, 194
 - contamination
 - aflatoxins
 - determination, ELISA 192, 1329
 - Germany 56
 - psychrotrophic bacteria, determination, culture media 202
 - Staphylococcus aureus*, enterotoxins 50
 - Vibrio*, proteinases, characteristics, determination 647
 - effects
 - dairy equipment
 - stainless steel
 - Listeria monocytogenes*, adhesion 235
 - Salmonella typhimurium*, adhesion 235
 - fruit juices, *Escherichia coli*, enumeration 673
 - fungi, Spain 195
 - Leuconostoc mesenteroides* ssp. *mesenteroides*, bacteriocins 836
 - Listeria* 196
 - Listeria monocytogenes*
 - control, lactoperoxidase system 197
 - Italy 185
 - listeria monocytogenes*, *Yersinia enterocolitica*, growth, biological competition 198
 - microbial contamination 36
 - Bacillus* 203
 - Germany 187, 193
 - sterilization 189
 - microbial flora
 - Egypt 1330
 - estimation 42
 - pathogens, control, bacteriocins 186
 - products
 - microbial flora
 - control
 - packaging 207
 - potassium sorbate 207
 - psychrotrophic bacteria
 - bacterial count, Italy 774
 - control, bacteriocins 186
 - Staphylococcus*, enterotoxins, detection 1185
 - Staphylococcus aureus*, control, lactoperoxidase system 197
 - Streptococcus faecalis*, bacteriocins 837
 - Vibrio cholerae*, survival 1203
 - Milk cooling**, bacterial count, control, skim milk, milk hygiene, Italy 773
 - Milk hygiene**
 - ewe milk, milking machines, sterilization, detergents 200
 - quality controls, reviews 633
 - quality standards, reviews 633
 - skim milk, bacterial count, control, milk cooling, Italy 773
 - Milk production**, water supply, contamination, *Campylobacter*, detection 27
 - Milk products**
 - aflatoxins, determination 1261
 - bacterial count, Croatia 191
 - contamination
 - enterotoxins, production, *Staphylococcus aureus*, Iraq 1892
 - pathogens, detection 190
 - psychrotrophic bacteria, reviews 1328
 - fungi
 - enumeration 1242

- Milk products** *cont.*
fungi *cont.*
 enumeration *cont.*
 comparisons 1241
- Listeria* 196
 isolation 674
- Listeria monocytogenes*, survival, storage 1336
- microbial contamination 36
 bacteria
 Croatia 191
 detection 201
 DNA hybridization 201
 DNA probes 201
 polymerase chain reaction 201
 preservation, lactic acid bacteria, nisin, production, reviews 1971
 yeasts, enumeration, comparisons 1241
- Milk quality**, testing, luminescence, rapid methods 1939
- Milk testing**, microbial flora, Germany 188
- Milking machines**, ewe milk, microbial contamination, sterilization, detergents 200
- Millets**
 malting
Aspergillus, enzymes 1139
Bacillus, enzymes 1139
- Mine tailings**, biodegradation 444
- Mineral oils**, biodegradation, seawater 1616
- Mineral waters**
 bottled, microbial contamination, bacterial count 1225
 health hazards, legislation, Italy 666
 microbial contamination, assessment, bacterial count, Italy 666
- Minerals**
 kalsilicate, biodegradation, microorganisms 1080
 sorption, *Bacillus subtilis*, plasmids, DNA, aquifers 1140
- Mining**, waste water, cyanides, biodegradation, *Pseudomonas* 1076
- Models**
 agricultural wastes, anaerobic digestion 1524
Bacillus cereus, toxins, production, prediction 678
 biofilms
 bioreactors, performance 873
 kinetics, pH 320
 biological fixed-film systems 326
 calibration, waste water treatment, activated sludge 1481
 cellulose, biodegradation, soil, tracer techniques 1614
 coastal areas, algae, eutrophication, fertilizers, USA, Alaska 308
 cyanobacteria, water, movement 262
 groundwater, pollution, bioremediation, plants 311
 pollutants, gases, sorption, plants 318
 polluted soils, bioremediation, plants 311
 waste water treatment 325
 activated sludge, UK 352
 anaerobic digesters, mixing patterns, analytical methods 920
 design 321
 wheat, biodegradation, soil, tracer techniques 1614
- Modified atmosphere storage**
 beef
 keeping quality 1236
 minced, *Salmonella*, growth 1317
 broccoli, microorganisms, temperature 743
- Molasses**
 fermentation
 butanol, production, *Clostridium*, immobilization, alginates 1544
 inhibition, by *Lactobacillus* 1104
 isopropyl alcohol, production, *Clostridium*, immobilization, alginates 1544
 utilization, riboflavin, production, *Eremothecium ashbyii* 1538
- Molecular biology**
 psychrophilic bacteria 2535
 psychrotrophic bacteria 2535
- Molybdates**, inhibition, sulfates, reduction, anaerobic digesters 1508
- Molybdenum**, effects, nitrogen fixation, *Rhodobacter capsulatus* 2390
- Monascus**, pigments, production, cassava starch, utilization 607
- Monilinia fructicola**
 control
 by *Pseudomonas corrugata* 734
Pseudomonas cepacia 734
 nectarines, postharvest decay, control 734
 peaches, postharvest decay, control 734
- Monitoring**, foods, fungi, culture media, performance 1237
- Monodictys indica*, control, wood preservatives 794
- Monomethyl sulfate**
 biodegradation
Agrobacterium 2217
Hyphomicrobium 2217
- Monuments**
 fungi, calcium oxalate, reviews 1958
 lichens, Italy, books 1845
- Moraxella*, food industry, water purification, filters, microbial contamination 33
- Morganella*, beef, packaging, poly(vinyl chloride), culture media 753
- Morganella morganii*
 amines
 production
 fish 749
 mackerels 749
 fish, histamine 746
- Morocco**, pastry, contamination, fungi, reviews 714
- Morpholine**
 biodegradation
 activated sludge 2221
Mycobacterium chelonei, plasmids 1559
- Mortar**, microbial corrosion, characterization, control 802
- Mortierella alpina*, fatty acids, production 1162
- Mosses**
 copper, sorption, dyes 2357
 heavy metals, sorption, dyes 2357
- Moulds**
 barley, contamination, determination 1878
 cereal grains, contamination, food hygiene, reviews 668
 feeds
 contamination
 ergosterol, production 1902
 immunoassay 670
 flours, contamination, food hygiene, reviews 668
 foods
 contamination, immunoassay 670
 detection 1890
 inhibition, cheesemaking, rinds, antifungal agents 251
 tomato concentrate, contamination, analytical methods, immunoassay 731
 yoghurt, Egypt 1337
- Mucor*
 cheeses, goat milk, prevention 780
 feeds, Nigeria 79
- Mucor piriformis*
 apples, storage decay, Italy 732
 kiwifruits, storage decay, Italy 732
 pears, storage decay, Italy 732
- Mucorales**, foods, detection, reviews 1250
- Muesli**, biodegradation, fungi 1904
- Municipal solid wastes**, composting, bioreactors 1129
- Museum specimens**
 biodeterioration
 insects
 chemical control
 argon 1363
 carbon dioxide 1363
 nitrogen 1363
 restoration, materials, biodeterioration, fungi 1341
- Museums**
 biodeterioration
 insects
 chemical control
 argon 1363
 carbon dioxide 1363
 nitrogen 1363
- Mushroom compost**
 crop residues, anaerobic digestion, biogas, production 997
 production 2104
 Australia 896
 plant residues, biodegradation, microorganisms, identification 1595
 pollution 2105
 wheat straw, biodegradation 897
- Mushrooms**, growth, sericulture, wastes, utilization 368
- Mussel processing wastes**, gibberellic acid, production, *Gibberella fujikuroi* 2418
- Mussels**
 biofouling, control, lakes, Canada 1362
 colonization, rivers, USA, temperature, turbidity 1392
 contamination, *Listeria*, isolation, Italy 149
 cooking, factory effluents, biological filtration, anaerobic conditions, biomass, characteristics 1473
 food poisoning
 bacteria, reviews 288
 pathogens, reviews 288
 viruses, reviews 288
 polluted water, bioremediation, biological filtration, lakes, Netherlands 1403
 wastes, utilization, single cell protein, production, *Aspergillus oryzae* 2160
- Mustard**
 production
 microbial contamination
 aerobes 1910
 anaerobes 1910
- Myceliophthora thermophila*
 palm fibre, saccharification 1610
 palm kernel cake, saccharification 1610
- Mycobacterium**
 amines, biodegradation 2212
 ethene, biodegradation 2279
 galactans, cell walls, composition, genera, identification 1801
- Mycobacterium chelonei*, morpholine, biodegradation, plasmids 1559
- Mycobacterium phlei*, hematite, uptake, solutions, solutions 536
- Mycorrhizal fungi**
 atrazine, biodegradation 2322
 2,4-D, biodegradation 2322
 landfills
 ethylene, bioremediation 2164
 methane, bioremediation 2164
- Mycorrhizas**, fertilizers, India 2381
- Mycotoxins**
 aflatoxins
Aspergillus
 foods, contamination, control, acids 816
 grain, contamination, control, acids 816
- Aspergillus flavus*
 fungicides 67
 sodium chloride 76
- biosynthesis, genetic regulation 66
- Capsicum*, *Aspergillus* 59
- coconuts, fungi, Egypt 738
- control
 gamma radiation, groundnuts, contamination, *Aspergillus parasiticus* 718
- groundnut oilmeal, moisture content, heat treatment 104
- groundnuts
 reviews 108
 sodium orthophenylphenoxide 719
- dried fruit, sampling, Germany 136
- dried milk
 contamination, Germany 56
- estimation
 ELISA, monoclonal antibodies 771
- liquid chromatography, immunoaffinity 775
- feeds
 cattle, contamination 83
- contamination
 books 645
- Germany 56
- poultry, poisoning 80

- Mycotoxins cont.**
- afatoxins cont.
 - feeds cont.
 - determination 1261
 - detoxification 64
 - estimation, reviews 55
 - extraction 696
 - Poland 81
 - USA, reviews 78
 - foods 1262
 - estimation, reviews 55
 - groundnut flour, contamination 1901
 - groundnuts
 - Brazil 719
 - contamination 1901
 - Brazil 1909
 - estimation
 - ELISA 1275
 - sampling, USA 107
 - inactivation 105
 - drying maize
 - Philippines 811
 - Thailand 811
 - feeds, fish feeding, contamination, bentonite, additives 1264
 - wheat, milling, Ukraine 69
 - inhibition, *Aspergillus flavus*, cinnamon 60
 - liquorice, *Aspergillus parasiticus*, Egypt 109
 - maize 97
 - milk
 - contamination
 - determination, ELISA 192, 1329
 - Germany 56
 - detection, ELISA 1239
 - determination 1261
 - detoxification 64
 - monitoring, France 772
 - Spain 195
 - milk products, determination 1261
 - nuts, contamination, estimation, ELISA 1275
 - peanuts
 - contamination, identification 1277
 - kernels, determination, hplc 1278
 - production
 - Aspergillus*, boric acid, inhibition 815
 - Aspergillus flavus*, detection 693
 - Aspergillus parasiticus*, detection 693
 - bread, contamination, *Aspergillus flavus* 713
 - groundnuts, contamination, *Aspergillus parasiticus*, control, gypsum 717
 - wheat, contamination, *Aspergillus flavus*, Ukraine 69
 - stereochemistry 1898-1899
 - synthesis, *Aspergillus*, molecular biology 1896
 - wheat straw, microbial contamination, feeds, digestibility 73
 - yoghurt, manufacture, toxicity 211

Aspergillus, detection, bioassays 689

books, cereals 687, 689, 700, 708, 1197

cereal grains, legislation, reviews 2

cereals

 - Alternaria* 700
 - Aspergillus* 690, 702
 - books 688, 690-691, 702-703
 - Penicillium* 690, 702
 - Penicillium aurantiogriseum*, storage 704
 - Penicillium verrucosum*, storage 704
 - storage, reviews 701
 - citrinin, wheat straw, microbial contamination, feeds, digestibility 73
 - control cereals 703
 - biocides 687
 - reviews, molecular biology 1896
 - detection, immunoassay, reviews 685
 - diacetoxyscirpenol, *Gibberella zeae*, fungicides 67
 - feeds 684, 1194
 - analytical methods, reviews 1217

Mycotoxins cont.

 - feeds cont.
 - assays, standardization 61
 - Canada, reviews 77
 - detection, bioassays 660
 - inactivation 65
 - fermented foods, cereals 691
 - food safety, reviews 71
 - foods 684
 - assays, standardization 61
 - inactivation 65
 - Italy, reviews 694
 - occurrence 62
 - public health 683
 - risk, assessment 63
 - fumonisins
 - feeds
 - estimation, reviews 55
 - USA, reviews 78
 - foods, estimation, reviews 55
 - production, fungi, reviews 74
 - Fusarium*, Taiwan 692
 - Fusarium culmorum*
 - barley, contamination, brewing quality 93
 - wheat, contamination, brewing quality 93
 - Gibberella zaeae*
 - barley, contamination, brewing quality 93
 - wheat, contamination, brewing quality 93
 - groundnuts, Israel 106
 - maize
 - Aspergillus flavus* 707
 - Aspergillus nomius* 707
 - Aspergillus parasiticus* 707
 - Fusarium* 96
 - Gibberella* 96
 - segregation 65
 - ochratoxins
 - beers, contamination, Germany 722
 - cereal grains, contamination, Germany 89
 - cereals, monitoring 688
 - coconuts, fungi, Egypt 738
 - feeds
 - cattle, contamination 83
 - contamination, livestock, effects, reviews 72
 - Poland 81
 - USA, reviews 78
 - food poisoning, Czech Republic 682
 - foods, contamination, Germany 1900
 - production
 - Aspergillus*, culture media 75
 - Penicillium aurantiogriseum*, culture media 75
 - wheat straw, microbial contamination, feeds, digestibility 73
 - olives, *Alternaria alternata*, Italy 735
 - patulin
 - apple juice, analysis 112
 - inactivation
 - microwave radiation 57
 - ultraviolet radiation 58
 - production
 - packhouses, apples, *Penicillium expansum* 122
 - Penicillium expansum*, food preservatives, control 68
 - wheat straw, microbial contamination, feeds, digestibility 73
 - Penicillium*, detection, bioassays 689
 - production
 - Aspergillus*
 - cereals
 - storage decay thiophanate-methyl, control 819
 - thiram, control 819
 - chickpeas, *Ascochyta rabiei* 1263
 - maize
 - Fusarium moniliforme* 1897
 - Gibberella fujikuroi* 686
 - rice, storage, fungi 708
 - seeds, legislation, reviews 2

Mycotoxins cont.

 - sterigmatocystin, wheat straw, microbial contamination, feeds, digestibility 835
 - trichothecenes, cereal grains, estimation 87
 - vomitoxin
 - cereal grains, contamination, storage 94
 - feeds
 - contamination, livestock, effects, reviews 72
 - estimation, reviews 55
 - USA, reviews 78
 - foods, estimation, reviews 55
 - Fusarium*
 - production
 - wheat, contamination, Germany 695
 - wheat bran, contamination, Germany 695
 - zearalenone
 - cereal grains, contamination, storage 94
 - feeds
 - contamination, livestock, effects, reviews 72
 - estimation, reviews 55
 - Poland 81
 - USA, reviews 78
 - foods, estimation, reviews 55
 - Fusarium*
 - production
 - wheat, contamination, Germany 695
 - wheat bran, contamination, Germany 695
 - Gibberella zaeae*, fungicides 67
 - Naphthalene**
 - biodegradation
 - bacteria, genetics, polluted soils 2268
 - microorganisms, Egypt 1617
 - Phanerochaete chrysosporium* 2266
 - Pseudomonas putida* 1638
 - enzymes, genetic code 1640
 - genetics 1639
 - Naphthenic acids**, biodegradation 444
 - Naphthalenesulfonates**, biodegradation, 2-hydroxychromene-2-carboxylate isomerase, *Pseudomonas testosteroni* 2270
 - Natronococcus occultus*, acetates, biodegradation, enzymes 1079
 - Nectarines**, postharvest decay, *Monilinia fructicola*, control 734
 - Nematoda**, eggs, removal, ponds, waste water treatment, mathematical models, Jordan 1487
 - Neocallimastix frontalis**
 - maize stover, biodegradation, interactions 418
 - wheat straw, biodegradation, interactions 418
 - Neocallimastix joyonii**
 - maize stover, biodegradation, interactions 418
 - wheat straw, biodegradation, interactions 418
 - Neosartorya**
 - fruit juices
 - heat resistance 1387
 - spore germination 1387
 - heat resistance, foods, identification 1386
 - aureola*, heat resistance, foods, identification 1386
 - fischeri*
 - grape juice, heat resistance 1285
 - heat resistance
 - foods, identification 1386
 - reviews 1389
 - identification 1388
 - Neosartoryaprimalina**, new species, tea, Japan 278
 - Netherlands**
 - bacteria, streptothrin, resistance, genes 835
 - cattle manure, biological treatment, activated sludge, nitrification, denitrification 545

- Netherlands** cont.
- chlorinated benzenes, biodegradation, sediment, lakes, microbial flora, anaerobic conditions 1631
 - nitrogen**
 - removal
 - sewage, reviews 2385
 - waste water, reviews 2385
 - phosphorus**
 - removal
 - sewage, reviews 2385
 - waste water, reviews 2385
 - pig manure, wastes, treatment, biological treatment, reviews 2483
 - sewage, bioreactors, anaerobic treatment 1450
 - solid wastes, composting, reviews 1126

Neurospora, feeds, Nigeria 79

Neurotoxins, *Clostridium butyricum*, genetics 1255

New Zealand

 - pulp and paper industry, waste water, nitrogen, fixation, lagoons, *Klebsiella pneumoniae* 2438
 - wood, insect pests, control, methyl bromide 221
 - wood preservation 221

Nickel

 - bacterial leaching, *Thiobacillus ferrooxidans*, *Bacillus circulans*, *Bacillus licheniformis* 2459
 - effects
 - anaerobic digestion, granules 914
 - nitrogen, uptake, *Chlorella* 2382
 - phosphorus, uptake, *Chlorella* 2382
 - leaching, *Aspergillus niger* 2459
 - removal
 - waste water
 - Salvinia* 2359
 - Spirodelta* 2359
 - water
 - Anabaena doliolum*, pH, organic acids 2351
 - Chlorella vulgaris*, pH, organic acids 2351
 - residual effects, sewage sludge, application to land, microorganisms, biomass, soil 299
 - toxicity, bacteria, survival, soil 300
 - uptake, *Nostoc muscorum* 1792
 - waste water treatment, activated sludge 1480

Nigeria

 - feeds, toxicogenic fungi 79
 - vaccines, rabies, contamination, pathogens 799
 - waste water treatment, activated sludge 2488

Night soil

 - anaerobic digestion, biogas, production 1780
 - biodegradation
 - anaerobic digestion
 - nitrates 2494
 - sulfates 2494
 - gases, treatment, biological filtration, peat, *Thiobacillus thioparus* 2493

Nisin

 - eggs
 - Bacillus cereus*, control 768
 - preservation 768
 - pickled cheese
 - Listeria monocytogenes*, control 783
 - Salmonella typhimurium*, control 783
 - Staphylococcus aureus*, control 783
 - production, lactic acid bacteria, milk products, preservation, reviews 1971
 - resistance, foods, *Listeria monocytogenes* 649
 - skim milk, *Listeria monocytogenes*, growth, control 199

Nitrites

 - assays, *Pseudomonas aeruginosa* 628
 - availability
 - phosphorus
 - immobilization
 - microbial activities
 - activated sludge, Germany 499

Nitrogen

 - biodegradation, genetically engineered microorganisms 1840

Nitrates cont.

 - availability cont.
 - phosphorus cont.
 - immobilization cont.
 - microbial activities cont.
 - sediment, water systems, Germany 499
 - irrigation water, bioremediation, denitrification, USA 860
 - pollution, groundwater, septic tank effluent, disposal, USA 1088
 - removal
 - drinking water, denitrification, biological treatment 1873
 - groundwater, bioreactors, anaerobic treatment 2454
 - sewage sludge, microbial flora 1778

Nitrate (esters), bacteria, bioremediation 1693

Nitric oxide

 - production
 - Bacillus cereus*, denitrification 581
 - Pseudomonas aeruginosa*, denitrification 581

Nitrification

 - activated sludge
 - assessment, oxygen, Sweden 1702
 - fatty acids, effects 2395
 - oxygen, application, Sweden 492
 - trimethylamine, effects 2395
 - Alcaligenes faecalis* 490
 - ammonia, nitrifying bacteria, environment, reviews 1709
 - biological fixed-film systems 898
 - bioreactors, packing, supports, biofilms 882
 - control, petroleum wastes, activated sludge, expert systems 1475
 - denitrification
 - cattle manure, biological treatment, activated sludge, Netherlands 545
 - sewage, biological filtration, treatment, parameters, Sweden 1704
 - landfill leachates, treatment, bioreactors, design 2163
 - microorganisms, acid soils, Australia 497
 - Nitrosomonas europaea*
 - inhibition
 - dimethyl ether 2391
 - methyl ether 2391
 - sewage
 - activated sludge, biological filtration, USA 1086
 - advanced treatment, economics 2392
 - sewage effluent, bioreactors, moving beds 2396
 - waste water
 - bioreactors, moving beds 2396
 - sewage sludge, characteristics, bacteria 1705
 - waste water treatment
 - Nitrosomonas europaea* 1087
 - Pseudomonas denitrificans* 1087
 - Nitrifying bacteria**
 - ammonia, nitrification, environment, reviews 1709
 - nitrogen, pollution control 2397 - Nitritoltriacetic acid**
 - degradation, heavy metals, bank filtration, anaerobic treatment 1751
 - sorption, heavy metals, bank filtration, anaerobic treatment 1751
 - waste water treatment, activated sludge 1480 - Nitrites**, reduction, bacteria, enzymes 493
 - Nitroaromatics**, bacteria, bioremediation 1693
 - Nitrobenzene**
 - biodegradation
 - bioreactors, membranes, microorganisms 2430
 - Pseudomonas pseudoalcaligenes* 2285
 - waste water, anaerobic treatment, anaerobic treatment 2272

Nitrogen

 - biodegradation, genetically engineered microorganisms 1840

Nitrogen cont.

 - cellulose, biodegradation, *Armillaria ostoyae* 982
 - control, chemicals, activated sludge, aerobic digestion 880
 - cycling, fish ponds, microbial degradation, mathematical models 2387
 - fixation, lagoons, pulp and paper industry, waste water, *Klebsiella pneumoniae*, New Zealand 2438
 - food wastes, composts 1469
 - immobilization, soil, plant residues, particle size, biodegradation, effects 1711
 - insects
 - chemical control
 - herbaria, biodeterioration 1363
 - museum specimens, biodeterioration 1363
 - museums, biodeterioration 1363
 - lignin, biodegradation, *Armillaria ostoyae* 982
 - losses, slurries, biological treatment 1761
 - methane production, anaerobic digesters, simulation models 1523
 - mineralization
 - cattle manure
 - aerobic treatment 1764
 - anaerobic digestion 1764
 - composting 1764
 - composts 2476
 - soil, microbial activities, mathematical models 495-496
 - paper, wastes, composts 1469
 - phosphorus
 - recycling
 - organic matter particles
 - bacteria, Japan 1700
 - lakes, Japan 1700
 - Phragmites australis, productivity, lakes, eutrophication, Germany 610
 - pollution control
 - denitrifying bacteria 2397
 - nitrifying bacteria 2397
 - regulation, lignin, biodegradation, *Cerrena unicolor* 2252
 - removal
 - activated sludge
 - control, algorithms 2131
 - dynamic models 2393
 - instrumentation, measurement, Denmark 2388
 - coal, microorganisms 2472
 - drinking water, *Phormidium laminosum*, bioreactors 2455
 - lagoons, sewage, treatment, biofilms, algae, bacteria 1708
 - landfill leachates, biological treatment, USA 1699
 - sewage
 - activated sludge
 - anaerobic conditions, aerobic conditions 1478
 - control, instrumentation, Sweden 1474
 - biological filtration 902
 - biological treatment, Norway 2389
 - bioreactors, Sweden 489
 - EC regulations, reviews 2491
 - Netherlands, reviews 2385
 - treatment, oxidation ditches, aeration, control, kinetic models 1710
 - waste water, Netherlands, reviews 2385
 - waste water treatment
 - Belgium 1085
 - biological filtration 902
 - uptake
 - ammonium, *Gymnodinium aureolum*, algal blooms, English Channel 2386
 - Chlorella*, heavy metals, effects 2382
 - wheat straw, composting 421
 - Nitrogen compounds**, photoprocessing waste waters, activated sludge, effects, USA 2434
 - Nitrogen fertilizers**, production, waste water, single cell protein, production,

- Nitrogen fertilizers**, production, waste water, single cell protein, *cont.*
Stichococcus bacillaris, intermittent light 1059
- Nitrogen fixation**
 legumes, soil degradation, bioremediation 1421
Rhodobacter capsulatus, molybdenum, effects 2390
- Nitrogen fixing bacteria**
 aromatic hydrocarbons, soil, contamination, bioremediation 959
 fertilizers, India 2381
 phenols, soil, contamination, bioremediation 959
- 2-Nitrophenol**, biodegradation, activated sludge 1028
- Nitrophenols**
 biodegradation, microorganisms, kinetics 1644
 ozonation, biodegradation, effects 2306
- Nitrosococcus**, phylogeny, ribosomal RNA 1153
- Nitrosolobus**, phylogeny, ribosomal RNA 1153
- Nitrosomonas**, phylogeny, ribosomal RNA 1153
- Nitrosomonas europaea**
 inhibition
 ammonia, oxidation, hydrocarbons 2542
 nitration
 dimethyl ether 2391
 methyl ether 2391
 waste water treatment
 denitrification 1087
 nitration 1087
- Nitrosospira**, phylogeny, ribosomal RNA 1153
- Nitrovibrio**
 phylogeny, ribosomal RNA 1153
 sandstone, historic buildings, Germany 257
- Nitrous oxide**, generation, sewage, activated sludge 1706
- Noardia**, galactans, cell walls, composition, genera, identification 1801
- Noardia amarae**, control, activated sludge, foaming, hypochlorites, Hong Kong 2138
- Noardiooides simplex**
 2,4-D, biodegradation 1662-1663
 pulp mill effluent, phenolic compounds, biodegradation 1029
 2,4,5-T, biodegradation 1663
 2,4,5-trichlorophenoxyacetic acid, biodegradation 967
- Nomenclature**, wood destroying fungi, India 282
- Nonionic surfactants**, biodegradation, environment, Philippines 1673
- North Africa**
 waste water
 utilization
 agriculture, reviews 370
 irrigation, reviews 370
- North America**, prepared foods, *Listeria monocytogenes* 652
- Norway**
Campylobacter, surface water 266
 foodborne diseases 3
Yersinia, surface water 266
- Nostoc calcicola**, copper, uptake 1141
- Nostoc muscorum**, nickel, uptake 1792
- NPK fertilizers**, microbial activities, soil 494
- Nutrients**
 chlorophyll, correlations, reservoirs, Russia 2384
 microorganisms, growth, kinetics, reviews 1136
 nitrogen, phosphorus, removal, waste water treatment, sewage sludge, characteristics, bacteria, filamentous, succession 1697
 pollution, coastal areas, United Arab Emirates 850
 release, wheat straw, biodegradation, fungi 981
- Nutrients** *cont.*
 removal
 control, activated sludge, denitrification 2130
 pig manure, *Spirulina maxima* 1120
 sewage
 ponds 2146
 treatment, design, upgrading, lakes, eutrophication, control, UK 2490
 water pollution
 eutrophication
 bioremediation
 Porphyra, Italy 309
 Ulva, Italy 309
 reservoirs, eutrophication 2383
 sea water, Spain 1696
- Nuts**, contamination, aflatoxins, estimation, ELISA 1275
- O-cresol**, biodegradation, aerobic treatment, bioreactors 1032
- Oats**, contamination, ochratoxins, Germany 89
- Odour abatement**
 ammonia, pig housing, biological filtration 550
 biological filtration 345
 composting, sludges, biological filtration, moisture, control 2119
 sewage sludge, composting, USA 894
- Odours**
 drinking water, *Actinomycetales*, Canada 1871
 removal, air, scrubbers, bioreactors, soil, microbial activities 1106
- Oil field brines**, biodegradation, *Thiobacillus denitrificans* 2433
- Oil palms**, fibres, utilization, spawn, production 1175
- Oil refinery wastes**
 removal, *Bacillus*, surfactants 1622
 waste water treatment 521
- Oil spills**
 biodegradation
 bacteria, estuaries, Canada 1008
 environment, standards 1005
- bioremediation
 bacteria, fertilizers, USA, Alaska 308
 reviews 857
 Canada 1412
 USA 1618
- polluted soils, bioremediation, Antarctica 863
- Oilmeals**, hydrolysis, enzymes 979
- Oils**, biodegradation, bacteria, culture media 445
- Oilseeds**
 insect pests, control, irradiation, reviews 249
 stored products pests, control, irradiation, reviews 249
- Oleuropein**, olives, *Staphylococcus aureus* 1351
- Oligoporus placenta**
 control
 azaconazole 1361
 copper sulfate 1361
 wood preservation, standards, Canada 230
- Olive oil**
 mills
 waste water, biological treatment, combined 872
 waste water treatment, anaerobic digestion, Greece 1098
- production
 effluents
 anaerobic digestion 2420
 fermentation, *Pseudomonas* 2329
 upgrading, biosurfactants, production 378
 waste water
 aerobic treatment, fluidized beds 504
 anaerobic digestion, pretreatment, *Azotobacter chroococcum* 1722
 biological treatment, *Phanerochaete chrysosporium* 1095
 phenolic compounds, biodegradation, aerobes 1094
- Olive oil cont.**
 production *cont.*
 waste water treatment, biological filtration, anaerobic conditions 504
- waste water
 biological treatment
 anaerobic conditions
 biological filtration, comparisons 1718
 bioreactors, comparisons 1718
 reviews 1719
- utilization
 single cell protein production
 Candida krusei 937
 Saccharomyces chevalieri 937
 Saccharomyces rouxii 937
 wastes, biodegradation, *Aspergillus terreus* 1097
- Olives**
 fermentation
Lactobacillus plantarum
 inhibitors 1806
 sodium chloride 1159
 food poisoning, botulism, *Clostridium botulinum*, Italy 1859
 mycotoxins, *Alternaria alternata*, Italy 735
 processing
 waste water
 anaerobic digestion
 bioreactors, supports, clay 2416
 temperature 2417
Staphylococcus aureus, inhibition 1351
 waste water, detoxification, *Aspergillus niger* 365
 waste water treatment
 anaerobic digestion
 detoxification 365
 kinetics 921
- Ophiostoma piliferum**, biopulping, wood chips 1745
- Orange peel**
 fermentation
Agrocybe aegerita, digestibility 944
Armillaria mellea, digestibility 944
Pleurotus ostreatus, digestibility 944
 hydrolysis, enzymes 984
- Oranges**, damage, cold storage, *Rattus rattus*, control 1395
- Organic acids**
Listeria, inhibition 5
 production
 hexoses, utilization, microorganisms, reviews 1582
 pentoses, utilization, microorganisms, reviews 1582
- water
 heavy metals
 removal
 Anabaena doliolum, pH 2351
 Chlorella vulgaris, pH 2351
- Organic compounds**
 activation, microorganisms 2229
 agricultural wastes, biological treatment 973
 air pollution, biological filtration 2122
 biodegradation
 aerobes, screening 2579
 algae, production, reservoirs, Czech Republic 2200
 anaerobes, determination 1507
 bacteria, salt tolerance 1573
 determination
 mutagenicity 2219
 standards 302
- environment
 aerobic conditions, reviews 855
 anaerobic conditions, reviews 855
 groundwater, mathematical models 2223
 improvement, microorganisms, inoculation 2238
 kinetics, biofilms, inhibition, mathematical models 406
 microorganisms, reviews 1413
 soil pollution, microorganisms 2290
 biological fixed-film systems, anaerobes, growth 1454

- Organic compounds** *cont.*
 cometabolism, microorganisms 2236
 environment, microorganisms, acclimation, reviews 2197
 explosives, biological treatment 973
 groundwater, health hazards 2022
 halogenation, air, algae, marine environment, enzymes 609
 mixtures, toxicity, waste water treatment, microorganisms, quantitative techniques, assessment 2087
 pollutants, biodegradation, *Phanerochaete chrysosporium*, reviews 1575
 polluted soils, sand, bioremediation 977
 pollution, bioremediation, microorganisms 2224
 polyanil, biodegradation, polluted soils, bioreactors 2081
 production, coal, solubilization, microorganisms, sample processing 1410
 removal
 drinking water, ozonation, biological treatment 1223
 groundwater, sewage, activated sludge 1560
 landfill leachates, fluidized beds, activated carbon, biofilms 322
 reservoirs, eutrophication 2383
Organic fertilizers, aldicarb, biodegradation, soil 464
- Organic halogen compounds**
 biodegradation
 microorganisms, reviews 976
 soil 408
 removal, kraft mill effluent, anaerobic treatment, aerobic treatment, lagoons 1485
- Organic matter**
 anaerobic digestion, methane production, microbial flora, mathematical models 1553
 biodegradation
 biofilms, biological filtration 303
 fish farms, bacteria 1534
 Methanobacteriaceae, temperature 1567
 sea water, Spain 1696
 sediment
 anaerobic conditions 403
 kinetics, models 402
 water purification, bacteria 29
 water systems, distribution, bacteria 29
 characterization
 sewage sludge
 anaerobic digestion, electrofocusing 1128
 composting, electrofocusing 1128
 colloids, biodegradation, biofilms, bioreactors, mathematical models, hydrolysis 2089
 determination, water distribution, *Pseudomonas fluorescens*, application 1866
 herbicides, biodegradation, reviews 1050
 lactate, biodegradation, fluidized beds, anaerobic conditions, sulfate reducing bacteria 2497
 particles
 nitrogen
 phosphorus
 recycling
 bacteria, Japan 1700
 lakes, Japan 1700
 removal, waste water treatment, biological filtration, media, plastics 348
 stabilization, seasonal variation, refuse, composting 2112
- Organic nitrogen compounds**
 microbial degradation, anaerobic conditions 970
 ozonation, biodegradation, effects 2306
- Organic sulfur compounds**
 biodegradation, methanobacteriaceae, *Methanobolus siciliae*, *Methanohalophilus*, *Methanococcoides*, *Methanosaarcina* 2195
 dimethyl sulfide, production, plant residues, biodegradation, marine environment 2226
- Organic sulfur compounds** *cont.*
 production, aromatic acids, biodegradation, anaerobes 2227
- Organic wastes**
 biodegradation, green manures, production, reviews 2186
 ethanol production, anaerobic digestion, kinetics, mathematical models 915
 methane production, anaerobic digestion, kinetics, mathematical models 915
 refuse
 biodegradation, biogas, production, anaerobic digesters, operation 1514
 methane production, composting, anaerobic treatment 1466
 upgrading
 biogas, production 1532
 single cell protein, production 1532
- Organobromine compounds**, biodegradation, reservoirs, sediment, USA 1033
- Organochlorine compounds**
 air pollution, Canada 1404
 biodegradation, animals, reviews 958
 lichens, Canada 1404
 removal
 lagoons
 aerobic treatment 397
 anaerobic treatment 397
- Organochlorine insecticides**, microbial degradation, groundwater, reviews 974
- Organomercurial compounds**
 biodegradation
 Bacillus, enzymes, heat resistance 2349
 bacteria, enzymes, heat resistance 2349
- Organophosphorus compounds**
 biodegradation
 bacteria, salt tolerance 1573
 Penicillium citrinum 409
- Organophosphorus pesticides**
 biodegradation
 enzymes 2315
 parathion hydrolase
 immobilization, sponges, bioremediation 1666
 production, *Pseudomonas diminuta* 1666
 surfactants 2315
- Organotin compounds**
 algicides, algae 241
 antifouling agents, algae 241
- Ornamental plants**, refuse compost, utilization, growing media 557
- Oscillatoria annae**, waste water treatment, biological filtration 1472
- Oscillatoria limosa**, polyhydroxyalkanoate, production, reviews 2514
- Oscillatoria pseudogeminata**, ossein, production, waste water treatment 1099
- Oscillatoria williamsii**
 lysins
 Flexibacter flexis, isolation, sewage, Kuwait 2526
 Flexibacter sancti, isolation, sewage, Kuwait 2526
- Ossein**
 production
 waste water treatment
 cyanobacteria 1099
 Oscillatoria pseudogeminata 1099
- Ossicula liginatis**, wine casks, wood, biodegradation, taxonomy, Austria 1949
- Overland flow**, phosphorus, removal, sewage effluent, secondary 1716
- Oxalates**, removal, sewage sludge, microbial flora 1778
- Oxidation ditches**
 aeration
 control, nitrogen, removal, sewage, treatment, kinetic models 1710
 water, sewage, treatment 1497
- phenols**, removal, coke plant effluent 1034
- Oxygen**
 addition, trichloroethylene, biodegradation, aquifers, USA, California 2225
 application, nitrification, activated sludge, Sweden 492
- Oxygen** *cont.*
Thiiosphaera pantotropha, denitrification 2522
 uptake
 activated sludge
 detergents 351
 surfactants 351
- Oxygen consumption**, biological filtration 346
- Oysters**
Campylobacter jejuni, food poisoning, USA 747
 extracts, toxins, determination, bioassays 52
- Ozonation**, biological treatment, drinking water, organic compounds, removal 1223
- Ozone**
Candida, inactivation 820
 residues, mutagenicity, drinking water, disinfection, bioassays 2042
 yeasts, inactivation 820
- Packaging**
 foods, microbial contamination, control 49, 1877
 meat, quality 156
 milk, products, microbial flora, control 207
 oxygen, transmission, yoghurt, contamination, yeasts 208
 poly(vinyl chloride), beef, microbial contamination, culture media 753
 reviews 1717
- Packaging materials**
 plastic film
 fungi, control, mangoes 131
 postharvest decay, control, mangoes 131
- Packhouses**, apples, patulin, production, *Penicillium expansum* 122
- Paecilomyces**, feeds, Nigeria 79
- Paint**
 films, resistance, yeasts, growth, assessment 1345
 waterborne, constituents, cellulolytic microorganisms, enzymes, inhibition 1344
- Paintings**
 biodeterioration
 insect pests
 examination 796
 restoration 796
 fungi, air spora, reviews 1956
 microbial contamination, air spora, reviews 1956
- Pakistan**
 sewage
 treatment ponds
 bacteria, removal 1492
 pathogens, removal 1492
- Palm fibre**
 saccharification
 Aspergillus niger 1610
 Mycelopthora thermophila 1610
- Palm kernel cake**
 saccharification
 Aspergillus niger 1610
 Mycelopthora thermophila 1610
- Palm oil**, upgrading, *Rhizopus arrhizus*, enzymes 1545
- Palm oil mill effluent**
 anaerobic digestion 1519
 biological treatment, Malaysia 1724
- Panus tigrinus**
 enzymes, lignin, biodegradation 1819
 lignin, biodegradation, enzymes 992
- Paper**
 coatings, plastics, biodegradation, soil 1024
 wastes
 composts, nitrogen 1469
 processing, waste water treatment, bioreactors, fluidized beds, anaerobic conditions 2445
- Paper mill sludge**, utilization, earthworms, feeds 941
- Parabens**
 pharmaceutical products
 contamination
 Aspergillus niger, control 1343

Parabens cont.
pharmaceutical products cont.
contamination cont.
Candida albicans, control 1343

Paracoccus denitrificans, pigery effluent, activated sludge, isolation 1769

Paracoccus denitrificans
denitrification, immobilization, boric acid 1769
plastics, production, equations 2178

Paraffins, citric acid, production, *Yarrowia lipolytica* 604

Paralauterborniella subcincta
water supply, contamination, USA 240
water systems, contamination, USA 240

Paraquat, detoxification, *Pseudomonas*, plasmids, cloning 620

Particles, movement, *Pseudomonas aeruginosa*, biofilms, tracers 593

Pasteurization
crab meat, reviews 152
seafoods, reviews 152

Pathogens
antibiotics, resistance, plasmids 10
control
milk, bacteriocins 186
pigmeat, contamination, vacuum packaging, cold storage 1925
sausages, lactic acid bacteria, bacteriocins, production 1968
cultured cream, Yugoslavia 1335
destruction
heavy metals
removal
sewage sludge, bacterial leaching 2342
sludges, bacterial leaching 2342

Enterobacteriaceae, *Blattaria*, vectors, human health 2011

Escherichia coli
bathing water, identification, serotypes 663
drinking water, identification, serotypes 663

foods, contamination, detection 190
handling, biosafety, laboratories 658
inhibition, by *Propionibacterium thoenii*, bacteriocins 186

meat, biodegradation, lactic acid bacteria, sodium chloride, control, India 1972

milk products, contamination, detection 190

mussels, food poisoning, reviews 288

prepared foods, reviews 117

reduction
anaerobic digestion, sewage sludge, application to land, legislation, USA 2034

composting
refuse, Tunisia 1467
sewage, Tunisia 1467

removal
algae, refuse, composting, Italy 2116

animal manures, anaerobic digestion 2477

drinking water
disinfectants, USA 1981
disinfection, byproducts, production, USA 1980

sewage, treatment, ponds, Pakistan 1492

sewage sludge, treatment, radiation, Thailand 1977

sewage sludge
application to land, reviews 651
landfills, reviews 651
legislation, USA 2039

shellfish, France 146

survival
groundwater, reviews 2020

sewage sludge, application to land 933

soil, reviews 2020

transmission
animal wastes, fish, ponds, aquaculture 1854

sewage, fish, ponds, aquaculture 1854

vaccines, rabies, contamination, Nigeria 799

Pathogens cont.
water, reviews, books 1864

Peaches, postharvest decay, *Monilia fructicola*, control 734

Peanuts
contamination, aflatoxins, identification 1277
kernels, aflatoxins, determination, hplc 1278

Pearl millet
pest resistance
insect pests 710
stored products pests 710

Pears
storage decay
control, *Penicillium expansum*, removal, water, filters 126
harvesting date 120
Mucor piriformis, Italy 732

Peas
pods
biodegradation
single cell protein production
Trichoderma reesei 942
Trichoderma viride 942

Peat
biodegradation, methane production, bogs 1133
bulking, poultry manure, composting, aeration 893
filters, septic tank effluent, treatment 1423

Pectins
biodegradation
Absidia corymbifera, enzymes 606
Aspergillus, enzymes 606
Cunninghamella elegans, enzymes 606
Fusarium, enzymes 606
Penicillium, enzymes 606
Rhizopus oryzae, enzymes 606

Pediococcus, fermented foods, sausages, starters 1319

Pediococcus acidilactici
bacteriocins
inhibition
of *Clostridium perfringens* 1355
of *Lactobacillus* 1355
of *Listeria monocytogenes* 1355

Pediococcus damnosus, wines, detection 1284

Pediococcus pentosaceus
bacteriocins, inhibition, of lactic acid bacteria 724
inhibition, of *Listeria* 204
winemaking, bacteriocins 724

Penicillium
air microbiology, urbanization, Mexico 2032
cereals, mycotoxins 690, 702
control
grain legumes
seeds
microbial contamination
flavones 1306
isoflavones 1306
storage decay
flavones 1306
isoflavones 1306

maize
storage decay
iprodione 1268-1269
thiabendazole 1269

feeds
contamination, immunoassay 670
Nigeria 79

foods, contamination, immunoassay 670
fungicide tolerance, imazalil, apples, storage decay, Spain 829

ham, curing, microbial contamination 174

milk, Spain 195

mycotoxins, detection, bioassays 689

peptides, biodegradation, enzymes 606

petroleum hydrocarbons, biodegradation, Indonesia 596

pineapples, storage decay 736

poly- β -hydroxyalkanoate, biofilms, biodegradation, soil 1643

sorghum, tannins, biodegradation 2215

Penicillium cont.
vaccines, rabies, contamination, Nigeria 799

Penicillium aurantiogriseum
cereals, mycotoxins, storage 704
ochratoxins, production, culture media 75
pectins, biodegradation, enzymes 606

Penicillium bilaii, enumeration, monoclonal antibodies, plants, soil 2574

Penicillium brevicompactum
pectins, biodegradation, enzymes 606
wood, decay, determination, assays 1948

Penicillium camembertii, inhibition, cheeses, heat treatment 782

Penicillium citrinum
organophosphorus compounds, biodegradation 409
rice husks, fermentation, enzymes, production 437

Penicillium claviforme, grape juice, contamination, patulin, production 114

Penicillium digitatum
plant residues, biodegradation, enzymes 993
ultraviolet radiation, citrus fruits 130

Penicillium expansum
apples, storage decay, control, heat treatment, calcium chloride 1290
biological control, by *Pseudomonas cepacia* 103

Candida sake
antagonism
apples
postharvest decay 127
storage decay 127

Candida tenuis
antagonism
apples
postharvest decay 127
storage decay 127

control, apples, storage decay,
Sporobolomyces roseus 1292

packhouses, apples, patulin, production 122

patulin, production, food preservatives, control 68

pome fruits
storage decay
imazalil, tolerance, Australia 1291
iprodione, tolerance, Australia 1291

removal
water
filters
apples, storage decay, control 126
pears, storage decay, control 126

storage decay, apples, control, heat treatment, calcium chloride 1290

sugarbeet, biological control, Japan 103

Penicillium frequentans
grape juice, contamination, patulin, production 114

sheepmeat, biodegradation, odours 1932

Penicillium italicum
control
jams
potassium sorbate 1915
sodium benzoate 1915

Penicillium janthinellum, cellulase, production 1825

Penicillium notatum, aluminium, bauxite, leaching 1068

Penicillium occitanus, cellulose, biodegradation, cellulase, production 2558

Penicillium roquefortii
cereal grains, biological control 88
control, by *Pichia anomala* 88
grape juice, contamination, patulin, production 114

inhibition, cheeses, heat treatment 782

Penicillium simplicissimum, coal, solubilization 1116

Penicillium solitum
pome fruits
storage decay
imazalil, tolerance, Australia 1291
iprodione, tolerance, Australia 1291

- Penicillium verrucosum**, cereals, mycotoxins, storage 704
Penicillium verrucosum var. cyclopium, yoghurt, containers, defects, collapse, Italy 210
Penicillium vinaceum, control, wood preservatives 794
Penicillium simplicissimum, aluminium, bauxite, leaching 1068
Peniophora gigantea, alcohols, biodegradation, alcohol oxidase 2565
Pentaammineruthenium (III), attachment, cellobiohydrolase, cellulose, biodegradation, *Trichoderma reesei* 2177
Pentachlorophenol
 biodegradation
Flavobacterium, arsenic, inhibition 1037
 fungi 1660, 2304
Phanerochaete chrysosporium 2266
 polluted soils, ligninolytic fungi 2301
Pseudomonas 1646
Pentane, biodegradation, microorganisms, bioreactors 1623
Pentoses
 biodegradation, ethanol production, *Escherichia coli* 2183
 utilization
 organic acids, production, microorganisms, reviews 1582
 solvents, production, microorganisms, reviews 1582
Peptides, synthesis, *Pseudomonas aeruginosa*, enzymes 592
Perishable products, keeping quality, monitoring 1235
Peru
 drinking water
 disinfection, waterborne diseases, control 1857
Vibrio cholerae, resistance, disinfection, chlorine 1992
Pest control, supermarkets 35
Pest resistance
 pearl millet
 insect pests 710
 stored products pests 710
Pesticides
 alachlor
 biodegradation
 soil
 bacteria 2323
 fungi 2323
 aldicarb, biodegradation, soil 2314
 antibiotics, wood destroying fungi, synergism 1056
 atrazine
 biodegradation
 soil
 bacteria 2323
 fungi 2323
 biodegradation
Pseudomonas putida 2320
 resistance, reviews 2239
 soil
 composts, application, microbial flora, acclimated 2319
 reviews 2324
 carbofuran
 biodegradation
 soil
 bacteria 2323
 fungi 2323
 dibenzofuran, biodegradation, *Sphingomonas* 2316
 malathion
 biodegradation
 soil
 bacteria 2323
 fungi 2323
 organochlorine pesticides, biodegradation, wood destroying fungi 2318
 removal
 water, *Eichhornia crassipes* 1683
 wool production, waste water, biological filtration 2317
 triazines, groundwater, bioremediation, Germany 1058
Petroleum
 oils, biodegradation, bacteria, identification 1007
 production, waste water, biodegradation, activated sludge, bioreactors, design 2431
 upgrading, *Caldariomyces fumago*, enzymes 1734
 wastes
 aromatic compounds, biodegradation 443
 bioremediation, bacteria 442
Petroleum hydrocarbons
 application to land, biological treatment, Venezuela 929
 aquifers, pollution, bioremediation, aerobic conditions 2066
 biodegradation
 anaerobic conditions, aquifers, iron, ligands 2276
 aquifers, reviews 1004
 bacteria
 estuaries, Argentina 2278
 marine environment, sodium chloride, effects 1634
 oil fields, Russia, osmoregulation 2264
 Baltic Sea 1012
 bioremediation, analysis, gas chromatography, mass spectrometry 2267
 environment, microorganisms, bioremediation, Israel 1619
 fungi, Indonesia 596
 genetically engineered microorganisms 1840
 groundwater, reviews 1004
 polluted soils, bioremediation, aeration 1626
Pseudomonas 2265
 reviews 1011
 seawater 1616
 surfactants, production, bacteria, marine environment 2263
 desulfurization
Micrococcus 1621
Pseudomonas 1621
 groundwater
 pollution
 bioremediation
 aerobic conditions 2066
 air, injection 2067
 anaerobic conditions 2070
 polluted soils
 bioremediation 2055, 2065
 reviews 1418
 polluted water, bioremediation 2065
 residues, biodegradation, application to land, microorganisms 1620
 sludges, microbial degradation, application to land, Belgium 1528
 soil, contamination, bioremediation, mathematical models 861
 soil pollution, bioremediation, reviews 1418
 sulfur, removal, bacteria 522
 utilization
Bacillus, surfactants, production 1622
 fungi, soil 2269
Petroleum wastes, activated sludge, nitrification, control, expert systems 1475
Pezicula malicorticis
 apples
 cold storage 121
 controlled atmosphere storage 121
pH
 beef, *Listeria monocytogenes*, growth 160
 biofilms, kinetics, models 320
 foods, *Bacillus coagulans*, spores, heat resistance 280
 kitchen waste, composting 892
Listeria monocytogenes, inhibition 261
 meat, microbial flora, biogenic amines, production 155
Pseudomonas pseudoalcaligenes, ethanolamine, uptake 582
 salads, beef, *Escherichia coli*, temperature, acidulants 1924
Salmonella enteritidis, acids, resistance 1851
pH cont.
 skim milk, *Listeria monocytogenes*, growth, control 199
 water
 heavy metals
 removal
Anabaena dolomitum, organic acids 2351
Chlorella vulgaris, organic acids 2351
 xylose isomerase, activity, stability, *Lactobacillus brevis* 1786
 zinc, uptake, *Eichhornia crassipes* 2358
Phanerochaete chrysosporium
 anthracene, biodegradation 2266
 carbon tetrachloride, biodegradation, lignin peroxidase 1563
 chloroanilines, biodegradation, enzymes 1670
 coal, solubilization, reviews 2466
 p-cresol, biodegradation 2266
 dyes, biodegradation, monitoring 2570
 enzyme activity, biochemistry, assays 1176
 enzymes
 characteristics 597
 genetics, reviews 1823
 interactions, lignin, synthetic, biodegradation 2255
 molecular biology, reviews 1822
 physiology, reviews 1822
 reviews 1821
 explosives, biodegradation 2207
 glucan 1,4- α -glucosidase, production 1165
 herbicides, biodegradation, soil 1670
 kraft mill effluent, biological treatment 875
 lignin
 biodegradation
 enzymes 603
 manganese, effects 2243
 lignin peroxidase 1167
 production 429
 lignocellulosic wastes, biodegradation, reviews 1605
Liquidambar styraciflua, decay 790
 maize stover, biodegradation 1594
 molecular biology, lignin, biodegradation 2258
 naphthalene, biodegradation 2266
 olive oil, production, waste water, biological treatment 1095
 organic compounds, pollutants, biodegradation, reviews 1575
 pentachlorophenol
 biodegradation 2266
 polluted soils 2301
 peroxidases 1171
 activity 283
 phenanthrene, biodegradation 2266
 phenols, biodegradation 2266
 polluted soils, bioremediation 1815
 quinones, biodegradation, enzymes 401
 rice straw
 biodegradation 1594
 lignin, biodegradation 2246
 2,4,6-trinitrotoluene, biodegradation 2207
 wheat straw, biodegradation 432
Phanerochaete sordida
 creosote, biodegradation, polluted soils, USA, Mississippi 2288
 pentachlorophenol, biodegradation, polluted soils 2301
Pharmaceutical products
 contamination
Aspergillus niger, control, parabens 1343
Candida albicans, control, parabens 1343
Phaseolus vulgaris
Acanthoscelides obtectus, control, sieving 1270
 growth, sewage sludge, wastes, gardens, composts, production, USA 2118
Phenanthrene
 biodegradation
Phanerochaete chrysosporium 2266
 polluted soils, *Alcaligenes* 1566
Pseudomonas aeruginosa 2274
Pseudomonas putida 1638

- Phenanthrene cont.**
- biodegradation *cont.*
- Pseudomonas putida* *cont.*
- enzymes, genetic code 1640
genetics 1639
- Phenethyl alcohol**, antibacterial agents, *Escherichia coli*, inhibition 808
- Phenolic acids**, biodegradation, microorganisms, forest soils, USA 458
- Phenolic compounds**
- biodegradation
- anaerobic conditions, bacteria, methane production 456
 - Bacillus macerans*, enzymes 2527
 - dyes, industrial wastes, biological treatment 319
 - Geotrichum candidum* 2150
 - Kraft mill effluent, biological treatment, *Lentinus edodes* 1742
 - microorganisms, reviews 1413
 - olive oil, production, waste water, aerobes 1094
- Pseudomonas*
- ligases 1030
 - reductases 1031
 - pulp mill effluent
 - Nocardiooides simplex* 1029
 - Streptomyces rochei* 1029 - reservoirs, sediment, USA 1033
 - Rhizobium leguminosarum*, enzymes, genetics 459
 - soil 1661
- microbial degradation, groundwater, reviews 974
- polluted soils, bioremediation, microbial flora 1035
- removal
- kraft mill effluent, anaerobic treatment 1107
 - leather industry, waste water treatment, activated sludge 1112
 - tea, antibacterial properties 818
- Phenols**
- addition, trichloroethylene, biodegradation, aquifers, USA, California 2225
- biodegradation
- activated sludge, bioreactors, design 908
 - aerobic treatment, bioreactors 1032
 - Arxula adeninivorans* 455
 - biological fixed-film systems, anaerobic conditions 2299
 - bioreactors 1027
 - Candida parapsilos* 455
 - catechol, production, *Bacillus stearothermophilus*, kinetics 2295
 - Escherichia coli*, chromosome translocation, *Bacillus stearothermophilus* 2211
 - microorganisms, kinetics 1644-1645
 - Phanerochaete chrysosporium* 2266
 - Pseudomonas*, gases, manufacture 1026
 - Pseudomonas putida*, mathematical models 2296
 - Saccharomyces* 1654
 - waste water treatment, monophenol monooxygenase 457
- 2-chlorophenol, biodegradation, activated sludge 2294
- degradation, *Rhodotorula rubra*, β -ketoadipic acid, detection, gas chromatography, mass spectrometry 1038
- metabolism, *Pseudomonas*, enzymes, anaerobic conditions 1155
- pentachlorophenol, biodegradation, activated sludge 2294
- polychlorinated biphenyls, biodegradation, bacteria, bioremediation 1649
- removal
- coke plant effluent, oxidation ditches 1034
 - distillery effluent, anaerobic digestion, *Geotrichum candidum* 2150
 - soil, contamination, bioremediation, nitrogen fixing bacteria 959
 - 2,4,6-trichlorophenol, biodegradation, activated sludge 2294
- Phenylacetaldehyde**
- production
- 2-phenylethanol
 - oxidation
 - Acetobacter* 1568
 - Glucanobacter oxidans* 1568
- 2-Phenylethanol**
- oxidation
- phenylacetaldehyde
 - production
 - Acetobacter* 1568
 - Glucanobacter oxidans* 1568
- Phialophora parasitica*, control, wood preservatives 794
- Philippines**
- detergents, biodegradation, environment 1673
- maize, aflatoxins, inactivation, drying 811
 - nonionic surfactants, biodegradation, environment 1673
- Phlebia chrysocrea*, feeds, production, wood, biodegradation, Chile 938
- Phlebia ochraceofulva*, lignin, biodegradation, peroxidases, production 600
- Phlebia radiata*, peroxidases 1172
- Phormidium laminosum*
- drinking water
- nitrogen, removal, bioreactors 2455
 - phosphorus, removal, bioreactors 2455
 - phosphates, uptake, bioreactors 1092
- Phormidium valderianum*, growth, ampicillin, utilization 1694
- Phosphate solubilizing bacteria, soil, reviews 2408**
- Phosphate solubilizing microorganisms, rock phosphate, availability, soil, Thailand 566**
- Phosphates**
- removal
- effluents, *Acinetobacter*, identification, SDS-page 500
 - sewage, treatment, design, upgrading, lakes, eutrophication, control, UK 2490
 - sewage sludge, microbial flora 1778
 - waste water
 - aerobic treatment, bacteria, competition 1091
 - biological treatment, reviews, Germany 2406
 - waste water treatment, bacteria, enzymes 2540 - solubilization, fungi, soil, reviews 2408
 - uptake
 - Acinetobacter johnsonii* 1147
 - microorganisms, lakes, Russia 1090
 - Phormidium laminosum*, bioreactors 1092
- Phosphorus**
- control, chemicals, activated sludge, aerobic digestion 880
- dynamics, bacteria, fresh water, sediment 2403
 - eutrophication, reservoirs, Czech Republic 2411
 - immobilization
 - microbial activities
 - nitrates
 - availability
 - activated sludge, Germany 499
 - sediment, water systems, Germany 499 - input, algae, biomass, lakes, mathematical models 849
 - kinetics, streams, sediment, Germany 2405
 - levels, inhibition, algae, eutrophication, reservoirs, Czech Republic 2412
 - regulation, lakes, bacteria, Sweden 2402
 - release
 - eutrophication, lakes, dynamic models, Japan 1715
 - sediment, lakes, Canada 2401 - removal
 - activated sludge, anaerobic treatment 1698
 - anaerobic digestion, mathematical models 1089
- Phosphorus cont.**
- removal *cont.*
- biological treatment
 - effects, sewage sludge, primary, anaerobic digestion, volatile fatty acids, production 1712
 - sludges, conditioning 2410
 - denitrification, activated sludge, mathematical models 2132
 - drinking water, *Phormidium laminosum*, bioreactors 2455
 - landfill leachates, biological treatment, USA 1699
 - runoff, wetlands, Western Australia 1093
 - sewage
 - activated sludge
 - aerobic conditions, microorganisms, growth, mathematical models 2413
 - control, instrumentation, Sweden 1474
 - anaerobic treatment, bioreactors 2407
 - bioreactors, Sweden 489
 - EC regulations, reviews 2491
 - Netherlands, reviews 2385
 - reservoirs, eutrophication, control, South Africa 1713
 - sewage effluent, secondary, overland flow 1716
 - waste water
 - biological treatment 2409
 - Netherlands, reviews 2385
 - reservoirs, eutrophication, control, South Africa 1713
 - waste water treatment
 - activated sludge, chemical precipitation, reviews, South Africa 501
 - Belgium 1085
 - biological filtration 903 - transfer
 - Gloeotrichia echinulata*, Sweden, sediment 2399
 - Pseudomonas*, sediment 2400
 - transformations, microorganisms, lakes, sediment, Hungary 2404
 - uptake, *Chlorella*, heavy metals, effects 2382
 - utilization, bacteria, sediment 2398

Photoprocessing waste waters

 - activated sludge, treatment, sludges, anaerobic digestion, effects 2435
 - ethylene diamine tetracetate, activated sludge, effects, USA 2434
 - nitrogen compounds, activated sludge, effects, USA 2434
 - sulfur, activated sludge, effects, USA 2434

Photosynthesis, energy sources, microorganisms, solar radiation 1531

Phototrophic bacteria

 - Rhodococcus* *tenuis*
 - selenium, metabolism 2505
 - sulfur, metabolism 2505
 - Rhodospirillum rubrum*
 - selenium, metabolism 2505
 - sulfur, metabolism 2505

Phragmites australis

 - heavy metals, uptake, artificial wetlands, *Schoenoplectus lacustris* 2360
 - productivity, nitrogen, lakes, eutrophication, Germany 610
 - sewage, treatment, reviews 359
 - waste water treatment
 - reviews 359
 - wetlands, USA 912

Phthalate, soil, bioremediation 310

Physarum polycephalum, poly-L-malate, production 2559

Physiology, polyhydroxybutyrate, bacteria, production 2511

Phytol, biodegradation, aerobes, sea water, temperature, effects 2307

Pichia anomala

control

 - of *Aspergillus candidus* 88
 - of *Penicillium roquefortii* 88

- Pichia guillermondi**, biological control, soybeans, storage decay, *Aspergillus flavus* 712
- Pichia lindneri**, methanol, utilization, enzyme activity 1824
- Pichia pastoris**, benzyl alcohol, oxidation 2325
- Pichia stipitis** ethanol production, xylose, fermentation, inhibition, organic compounds 1584 gene treatment, xylose, utilization, enhancement 1826 lignocellulosic wastes, fermentation, hemicelluloses, utilization, ethanol production 1583
- Pickled cheese** *Listeria monocytogenes* control hydrogen peroxide 783 nisin 783 sorbic acid 783
- Salmonella typhimurium** control hydrogen peroxide 783 nisin 783 sorbic acid 783
- Staphylococcus aureus** control hydrogen peroxide 783 nisin 783 sorbic acid 783
- Pickles**, gizzard, microbial contamination, control, India 116
- Pig housing** air pollution, ammonia, biological filtration 550 odour abatement, ammonia, biological filtration 550
- Pig manure** composting methodology 1768 moisture content 2486 feeds, production, *Spirulina maxima* 1120 methane production, biological filtration, carriers, anaerobic conditions 887 nutrients, removal, *Spirulina maxima* 1120 pollution, groundwater, indicators, *Clostridium* 293 proteins, biodegradation, temperature 1767 treatment, lagoons, *Scenedesmus* 1500 volatile fatty acids removal activated sludge 1770 composts 1770 wastes, treatment, biological treatment, reviews, Netherlands 2483
- Pig slurry** aerobic treatment feeds, production 1766 nitrogen oxides 2484 anaerobic digestion, energy sources, Hungary 949 bacteria, health hazards 301 biodegradation, straw, ammonia, control, zeolites 338 biological treatment aquaculture 361 aquatic plants 361 denitrification, aerobic treatment 2482 feeds, production, *Candida tropicalis* 1766 fermentation, *Candida tropicalis* 1766 industrial wastes, biogas, production, anaerobic digestion 540 nitrification, aerobic treatment 2482
- Piggery effluent** activated sludge *Paracoccus denitrificans*, isolation 1769 *Pseudomonas*, isolation 1769, 1798 biological treatment, activated sludge, aeration, continuous, intermittent, comparisons, Taiwan 1771 treatment, algae, macrophytes, biomass, production, feeds 2174 waste water treatment denitrification 2485 nitrification 2485
- Pigmeat** bacterial count, India 167 contamination bacteria, control, vacuum packaging, cold storage 1925 pathogens, control, vacuum packaging, cold storage 1925 *Salmonella typhimurium*, UK, epidemiology 16
- Pigs** carcasses *Streptococcus faecalis* 168 *Streptococcus faecium* 168 litter, composting, health hazards 549
- Pineapples**, storage decay, *Penicillium* 736
- Pinus taeda** resistance *Gloeophyllum trabeum*, wood preservation 791 wood destroying fungi, wood preservation 791
- Piptoporus betulinus** wood ecology 1947 taxonomy 1947
- Plant extracts** antibacterial properties seedborne fungi, control, rice, storage 101 seedborne organisms, control, rice, storage 101 antifungal properties seedborne fungi, control, rice, storage 101 seedborne organisms, control, rice, storage 101 stored products pests, control, maize 95
- Plant oils** biodegradation *Acinetobacter iwoffii* 1274 *Pseudomonas* 1274
- Plant residues** biodegradation anaerobic conditions 1613 *Aspergillus alliaceus*, enzymes 993 feeds, production, *Pleurotus* 1603 green manures, production, reviews 2186 marine environment, organic sulfur compounds, dimethyl sulfide, production 2226 microorganisms morphology diversity lakes Armenia 1592 Latvia 1592 mushroom compost, production, microorganisms, identification 1595 *Penicillium digitatum*, enzymes 993 *Pleurotus ostreatus*, enzymes 1609 particle size, biodegradation, effects, nitrogen, immobilization, soil 1711 trees, sewage sludge, composting 2114 upgrading, *Pleurotus ostreatus* 1608 utilization, *Pleurotus sajor-caju*, production 413
- Plants** groundwater, pollution, bioremediation, models 311 heavy metals, uptake, mathematical models 2341 hydrocarbons, removal, polluted soils 1615 pollutants, gases, sorption, models 318 polluted soils, bioremediation, models 311
- Plastics** biodegradation, techniques 1019 manufacture, waste treatment, activated sludge, activated carbon, application, dewatering 1023 production biomass, utilization, microbial degradation 1543 *Paracoccus denitrificans*, equations 2178 *Staphylococcus epidermidis*, adhesion 797 starch, biodegradation 453
- Plectonema boryanum** ammonium, reduction 1084 hydrogen, reduction 1084
- Pleospora infectoria**, cereal grains, Australia 1267
- Pleurotus** lignocellulosic wastes, biodegradation, feeds, production 1603 plant residues, biodegradation, feeds, production 1603
- Pleurotus cornucopiae**, lignin, biodegradation, sugarcane bagasse, fermentation, bioreactors 1733
- Pleurotus eryngii**, wheat straw, fermentation, feeds, production 1586
- Pleurotus florida**, lignin, biodegradation, sugarcane bagasse, fermentation, bioreactors 1733
- Pleurotus ostreatus** control, timbers, biodeterioration, wood extracts 227 cotton waste, upgrading, feeds, production 1541 enzymes, plant residues, biodegradation 1609 grape residues, fermentation, digestibility 944 orange peel, fermentation, digestibility 944 plant residues, upgrading 1608 polychlorinated biphenyls, biodegradation 316 rice straw, upgrading 374 sugarcane, straw, utilization, proteins, production 2256 wheat straw biodegradation 980 fermentation, feeds, production 1586 wood chips, biodegradation 980
- Pleurotus sajor-caju** growth, straw, utilization 424 production, plant residues, utilization 413 wheat straw, upgrading, feeds, production 2168
- Pleurotus tuber-regium**, production, wastes, utilization 1175
- Plodia interpunctella**, raisins, stored product pests, South Africa 135
- Plywood**, wood preservation 226
- Poland** algal blooms, reservoirs, ecosystems, food chains, control 1398 feeds, contamination, *Salmonella* 1903 groundwater, pollution, petroleum, bioremediation 1414 mycotoxins, feeds 81 polluted soils, petroleum, bioremediation 1414
- Poles**, biodeterioration, soil, fungi, control, polyethylene, barriers, South Africa 1339
- Politics** water management, books 2027 water resources, books 2027
- Pollutants** availability, biodegradation, reviews 2234 binding, substrates, groundwater, pollution, bioremediation, enhancement 2075 biodegradation bacteria isolation 1143 monitoring 1143 environmental factors 2237 kinetics, reviews 2230 laboratory tests, reviews 2036 processes, reviews 2045 reviews 2235 cometabolism, microorganisms 2236 concentration, threshold, microorganisms, growth 2231 gases, sorption, plants, models 318 groundwater, health hazards 2022 liquids, biodegradation, reviews 2233 microbial activities, aquifers, reviews 2021 removal, aquifers, bioremediation, aeration, bioventing 2078 sorption, biodegradation, inhibition 2232

Polluted soils
 Aroclor, biodegradation, bioremediation 1657
 aromatic hydrocarbons
 biodegradation, surfactants, effects 1002
 bioremediation 2080, 2283
 bioremediation 862
 assessment 864
 bacteria 316
 biotechnology 2047
 books 2056-2057, 2064-2066, 2068, 2079
 equipment, systems, comparisons 925
 microorganisms 1413
Phanerochaete chrysosporium 1815
 plants, models 311
 reviews 1415-1416, 2051, 2074
 techniques 2077
 USA 2050
 wood destroying fungi 316
 yeasts 316
 cadmium, removal, *Pseudomonas* 1682
 creosote, biodegradation, *Phanerochaete sordida*, USA, Mississippi 2288
 diesel oil
 biodegradation, bioremediation, aeration 1627
 bioremediation 871
 explosives
 bioremediation, composting 313
 composting, bioremediation 1417
 gas production
 aromatic hydrocarbons, removal, bioremediation 1405
 bioremediation 307
 hexadecane, bioremediation 871
 hydrocarbons
 bioremediation 870
 techniques 1018
 removal, plants 1615
 microorganisms, inoculation methods, aromatic hydrocarbons, bioremediation 2076
 naphthalene, biodegradation, bacteria, genetics 2268
 oil spills, bioremediation, Antarctica 863
 organic compounds, polyanyl, biodegradation, bioreactors 2081
 pentachlorophenol, biodegradation, ligninolytic fungi 2301
 petroleum, bioremediation, Poland 1414
 petroleum hydrocarbons
 biodegradation, bioremediation, aeration 1626
 bioremediation 2055, 2065
 reviews 1418
 phenanthrene, biodegradation, *Alcaligenes* 1566
 phenolic compounds, bioremediation, microbial flora 1035
 polychlorinated biphenyls
 biodegradation
 bioremediation 1657
 microbial flora, enzymes, enrichment 1625
 sand, organic compounds, bioremediation 977
 solvents, bioremediation 2065
 toxic substances, biodegradation, monitoring, reviews 853

Polluted water
 bioremediation
 aerobic treatment, reviews 2060
 microorganisms 1413
 mussels, biological filtration, lakes, Netherlands 1403
 reviews 2051
 USA 2050
 cadmium, removal, *Pseudomonas* 1682
 petroleum hydrocarbons, bioremediation 2065
Salmonella, detection, DNA probes 623
 sediment, polychlorinated biphenyls, biodegradation, aerobic conditions, hydrogen peroxide 1652
 solvents, bioremediation 2065
 toxic substances, biodegradation, monitoring, reviews 853

Pollution
 animal production, books 645

Pollution cont.
 bioremediation
 anaerobic treatment, reviews 2048
 books 2036, 2046-2049, 2059-2061, 2074, 2602
 microorganisms 858
 techniques, reviews 2058
 coastal areas
 microorganisms, United Arab Emirates 850
 groundwater
 microorganisms, transport processes, bioremediation 2059
 pig manure, indicators, *Clostridium* 293
 industrial wastes, monitoring, books 2601
 marine environment, red tides, *Gymnodinium* 842
 monitoring, lichens 2007
 mushroom compost, production 2105
 organic compounds, bioremediation, microorganisms 2224
 rivers, India 844
 watersheds, bacterial toxins, *Clostridium botulinum*, Japan 53

Poly- β -hydroxybutyrate
 biodegradation, *Ilyobacter delafieldii* 2291
 production, methane, utilization, *Methyllobacterium extorquens*, new species 1146

Poly-L-malate, production, *Physarum polycephalum* 2559

Polyacrylates
 detergents
 additives
 biodegradation
 environment 306
 waste water treatment 306
 environmental assessment 306
 environmental impact 306

Polyamines, 6-aminohexanoic acid, biodegradation, aerobes 454

Polycaprolactone, biodegradation, activated sludge, assessment 2293

Polychlorinated biphenyls
 biodegradation
 anaerobes, rivers, sediment, USA, New York 1650
Auricularia polytricha 316
 bacteria, rhizosphere 2300
Candida boidinii 316
Candida lipolytica 316
Lentinula edodes 316
 marine areas, sediment, USA 2298
Pleurotus ostreatus 316
 polluted soils
 bioremediation 1657
 microbial flora, enzymes, enrichment 1625
 polluted water, sediment, aerobic conditions, hydrogen peroxide 1652
Pseudomonas 316, 2297
Pseudomonas testosteroni, soil 312
 resistance, reviews 2239
 rivers
 sediment
 biochemistry 1651
 bioremediation, USA 1655-1656
 USA 2303
 waste water, sewage, activated sludge 2305
 waste water treatment, reviews 1431
 water pollution, sediment, aerobic conditions, hydrogen peroxide 1652
 microbial degradation, groundwater, reviews 974

Polycyclic hydrocarbons, biodegradation, reviews 1572

Polyethylene
 barriers, fungi, control, poles, biodeterioration, soil, South Africa 1339
 biodegradation, soil 1024

Polyhydroxyalkanoate
 biodegradation
 Alcaligenes eutrophus 2510
 environment, bacteria 2368
 fungi, techniques, screening 2369

Polyhydroxyalkanoate cont.
 biodegradation cont.
 soil, bacteria 2368
 water, bacteria 2368
 chemistry, bacteria, determination, nuclear magnetic resonance 2580
 granules, structure, *Pseudomonas oleovorans*, determination 2520
 production
 Alcaligenes eutrophus 2510
 bacteria, methylotrophic 2512
 beet molasses, utilization, *Azotobacter vinelandii* 2427
 cyanobacteria, reviews 2514
 Escherichia coli, molecular biology 2518
 fatty acids
 biodegradation, *Syntrophomonas wolfei* 2310
 utilization, *Pseudomonas putida* 2309
Pseudomonas oleovorans 2516

Polyhydroxyalkanoic acids, bacteria, molecular biology 2517

Polyhydroxybutyrate
 bacteria, production, physiology 2511
 biodegradation
 Azospirillum brasilense, rhizosphere 2308
 landfills, *Ilyobacter delafieldii* 2367
 granules
 biodegradation, *Zoogloea ramigera* 2370
 structure, bacteria, determination 2519

production
 Alcaligenes eutrophus 2509
 enzymes 2538
 cyanobacteria 2515
 granules, *Alcaligenes eutrophus*, crystallization 2521
 methanol, biodegradation, *Hyphomicrobium zavarzinii* subsp. *chengduense* 2175
Methyllobacterium extorquens 2509
 microorganisms, physical properties 2184
Rhodococcus ruber 2509
Staphylococci 2513

Polyhydroxyvalerate, production, microorganisms, physical properties 2184

Polymerization, cellulose, saccharification, *Trichoderma viride*, enzymes 2257

Polymers
 biodegradation 2372
 environmental impact, reviews 1022
 landfills, *Ilyobacter delafieldii* 2367
 microorganisms
 enzymes 2327
 reviews 1020
 production, microorganisms, reviews 2371
 resistance, reviews 2239
 reviews, books 1021-1022
 exocellular, production, *Acinetobacter calcoaceticus*, reviews 574
 poly- β -hydroxyalkanoate, biofilms, biodegradation, soil, *Penicillium* 1643
 polyhydroxybutyrate, biodegradation, sewage sludge, aerobic 2292
 production, kaolin, flocculation, *Rhodococcus erythropolis* 878

Polyporus meliae, *Acacia auriculiformis*, resistance 216

Polyporus osteriformis, rice straw, lignin, biodegradation 2246

Polyporus palustris, *Acacia auriculiformis*, resistance 216

Polyporus versicolor, coal, solubilization, reviews 2466

Polypropylenes, biodegradation, soil 1024

Polysaccharides
 biodegradation
 soil bacteria 590
Telluria chitinolytica 590
Telluria mixta 590
 hydrolysis
 Pyrococcus furiosus, enzymes 2549
Thermococcus litoralis, enzymes 2549

- Polycyatum pustulans**
control
potatoes
storage decay
imazalil 1301
thiabendazole 1301
- Poly(vinyl alcohol)**
biodegradation
anaerobes 1672
microorganisms, enzymes 2327
- Poly(vinyl chloride)**
biodegradation
biological fixed-film systems, anaerobic conditions 336
soil 1024
- Pome fruits**
storage decay
Penicillium expansum
imazalil, tolerance, Australia 1291
iprodione, tolerance, Australia 1291
Penicillium solitum
imazalil, tolerance, Australia 1291
iprodione, tolerance, Australia 1291
- Ponds**
aquaculture
animal wastes, pathogens, transmission, fish 1854
sewage, pathogens, transmission, fish 1854
biological treatment
halogenated organic compounds, removal, pulp mill effluent 2442
waste water, Cape Verde 382
- brewery effluent, biological treatment 2145
- comparison, halogenated organic compounds, removal, kraft mill effluent 2440
- dairy effluent, biological treatment 2145
- Eichhornia crassipes*, sewage, biological treatment 2569
- faecal coliforms, survival, waste water treatment, natural light, effects 1493
- forest litter, biodegradation, fungi 1606
- fresh water, fish, microbial contamination, India 142
- metals, processing, waste water treatment, microorganisms, chromium, resistance, isolation, USA, California 1808
- nutrients, removal, sewage 2146
- sewage
biological treatment 2145
treatment
Alternanthera philoxeroides 2142
bacteria, removal, Pakistan 1492
Eichhornia crassipes 2142
faecal coliforms, removal 360
operation, China 1495
pathogens, removal, Pakistan 1492
sulfides, production, microbial flora, effects 1496
- sewage effluent, fish, microbial contamination, India 142
- suspended solids
removal
waste water
fish 1482
protozoa 1482
- waste water treatment
comparison, faecal coliforms, removal, Kenya 1494
faecal coliforms, removal, mathematical models 1488
nematoda, eggs, removal, mathematical models, Jordan 1487
optimization, mathematical models 1489
performance 363
microorganisms, removal 362
- Pontederia cordata*, refuse compost, utilization, growing media 558
- Populus robusta*, improved wood, decay, resistance, wood destroying fungi 1953
- Poria monticola*, coal, solubilization, reviews 2466
- Poria placenta* (see *Oligoporus placenta*)
- Porphyra**, water pollution, eutrophication, bioremediation, nutrients, removal, Italy 309
- Portugal**, ethanol production, jerusalem artichokes, fermentation, *Kluyveromyces marxianus* 379
- Postharvest decay**
apples
Botrytis cinerea
Candida sake, antagonism 127
Candida tenuis, antagonism 127
Penicillium expansum
Candida sake, antagonism 127
Candida tenuis, antagonism 127
- avocados, *Glomerella cingulata*, antifungal agents 1297
- bananas, *Colletotrichum musae*, control, coating materials 1296
- carrots, *Botrytis cinerea*, induced resistance 1300
- control
carrots, *Theilaviopsis basicola* 742
citrus fruits, *Trichoderma viride*, fungicides 1352
packaging materials, plastic film, mangoes 131
tomatoes, *Botrytis cinerea*, heat treatment 741
- Manilkara zapota*
microbial contamination
control
benomyl 1294
captan 1294
captop 1294
- melons
Alternaria alternata, control 1298
Fusarium, control 1298
nectarines, *Monilinia fructicola*, control 734
- peaches, *Monilinia fructicola*, control 734
- Potassium sorbate**
jams
Aspergillus ochraceus, control 1915
Penicillium italicum, control 1915
milk, products, microbial flora, control 207
- Potato pulp**, utilization, *Trichoderma longibrachiatum*, enzymes, production 998
- Potatoes**
damage, cold storage, *Rattus rattus*, control 1395
processing, waste water, aerobic treatment, thermophilic microorganisms 329
- storage decay
cellulase, production, *Rhizopus oryzae* 139
- Collectotrichum coccodes*, environmental factors 138
- Helminthosporium solani*
control
imazalil 1301
thiabendazole 1301
environmental factors 138
- Polycyatum pustulans*
control
imazalil 1301
thiabendazole 1301
- Rhizopus oryzae*, enzymes, production 139
- Poultry**
carcasses
composting 1468
equipment 1527
fertilizers, USA, Alabama 1530
food processing, microbial contamination, USA 1323
- foodborne diseases, *Listeria monocytogenes* 1990
- keeping quality, control, lactates 671
- poisoning, aflatoxins, feeds, contamination 80
- processing, sludges, poultry manure, composting 1772
- Poultry housing**
waste water
aerobic treatment, China 1121
anaerobic treatment, China 1121
- Poultry litter**, amendments, soil, ethylene, production, anaerobic conditions, USA 555
- Poultry manure**
ammonia, nitrification, *Thiosphaera pantotropha* 2487
- anaerobic digestion
environmental factors, UK 553
surfactants, methane production 2193
- biodegradation, application to land, Saudi Arabia 1177
- biogas, production, anaerobic digestion 951
- biological treatment, environmental factors, UK 553
- composting 551
bulking agents 1460
costs, USA 554
economic viability, USA 554
environmental factors, UK 553
environmental impact 552
equipment, environmental impact 556
- manure, composting, aerobic, USA 2120
- peat, bulking, composting, aeration 893
- poultry, processing, sludges, composting 1772
- straw, bulking, composting, aeration 893
- Poultry meat**
chilling, water, *Salmonella typhimurium*, control, electric current, salts 1360
- contamination
microorganisms, cold storage, food irradiation, control 1358
- Salmonella*, Switzerland 767
- Enterobacteriaceae, phosphotransferases, antibiotics, resistance, genetics 653
- gamma radiation, USA, marketing 1938
- Listeria monocytogenes*
control
gamma radiation 1324
storage 1324
- microbial contamination 178
- Staphylococcus aureus*, enterotoxins 769
- Yarrowia lipolytica*, characteristics, discriminant analysis 1215
- Poultry offal meal**, biodeterioration, control, preservation 177
- Poultry products**, contamination, *Salmonella*, enzyme immunoassay 180
- Prepared foods**
Listeria monocytogenes
mathematical models 1287
North America 652
- microbial contamination, Benin 728
- pathogens, reviews 117
- Yarrowia lipolytica*, characteristics, discriminant analysis 1215
- Preservation**
biosensors, bacteria 2043
- coconut products, shelf life, microbial contamination 1293
- foods, microbial contamination, control 49
- poultry offal meal, biodeterioration, control 177
- vegetables
gamma radiation, Bangladesh 119
lactic acid bacteria, Bangladesh 119
- Preservatives**
agricultural byproducts, biodeterioration, control 538
- arsenicals, inactivation, iron, soil, wood, decay, *Leucoglycophana pinastri* 1951
- biomass, biodeterioration, control 538
- cut flowers, vase life 141
- potassium sorbate, cider, *Escherichia coli*, control 1974
- sodium benzoate, cider, *Escherichia coli*, control 1974
- Pressure treatment**, jams, preservation, *Candida*, survival 1357
- Priobium punctatum*, wood, USA 218
- Production**, starch, utilization, *Aspergillus awamori*, *Zymomonas mobilis*, immobilization 461
- Prokaryotes**, reviews 636-638
- 1,3-Propanediol**, production, glycerol, biodegradation, *Klebsiella pneumoniae* 2182

- Propanediols**, production, 1,3-dichloro-2-propanol, biodegradation, *Corynebacterium* 434
- Propionates** biodegradation, cattle dung, *Syntrophobacter wolfei*, isolation 2525 oxidation, bacteria, biochemistry 1805
- Propionibacterium freudenreichii** var. *shermanii*, production, whey, utilization 510
- Propionibacterium thoenii** bacteriocins inhibition of pathogens 186 of psychrotrophic bacteria 186
- Propionic acid bacteria**, grana cheese, defects, gases, control 778
- Prorocentrum lima**, shellfish, contamination, food poisoning 1918
- Proteins** biodegradation, pig manure, temperature 1767 hydrolysis, *Bacillus*, enzymes 1157 production pulp mill effluent, biodegradation, *Aspergillus*, temperature 1739 sugarbeet, upgrading, *Candida tropicallis* 373 sugarcane, straw, utilization, *Pleurotus ostreatus* 2256 sugarcane bagasse, utilization, fungi 2167 sulfite liquor, biodegradation, *Aspergillus*, temperature 1739 whey, utilization, *Kluyveromyces fragilis* 509 sewage sludge characterization 563 extraction 564
- Proteus** beef, packaging, poly(vinyl chloride), culture media 753 curd, microbial contamination, India 209 fish, histamine 746 milk products, microbial contamination, Croatia 191
- Proteus vulgaris**, carbohydrates, utilization, fuel cells, microbial 2187
- Protozoa** removal, drinking water, treatment, efficiency, *Clostridium perfringens*, bacteriophages, indicator species 1870 suspended solids, removal, waste water, ponds 1482
- Providencia**, beef, packaging, poly(vinyl chloride), culture media 753
- Providencia stuartii**, fish, histamine 746
- Proxanol**, kanamycin, biosynthesis, *Streptomyces kanamyceticus* 1796
- Psectrocladius** water supply, contamination, USA 240 water systems, contamination, USA 240
- Pseudomonas putida**, fatty acids, utilization, polyhydroxyalkanoate, production 2309
- Pseudoanabaena limnetica**, reservoirs, eutrophication, Czech Republic 2029
- Pseudomonas** alkanes, biodegradation 1013 anthranilic acid, biodegradation, anaerobic conditions, enzymes 971 biological control, of *Botrytis cinerea* 140 cadmium removal polluted soils 1682 polluted water 1682 chlorobenzoates, biodegradation 1574 denitrification immobilization, boric acid 1769 temperature, substrates 1798 explosives, biodegradation 2206 food industry, water purification, filters, microbial contamination 33 halogenated hydrocarbons, biodegradation, genetically engineered microorganisms 2208 L-cysteine, production, induced mutants 965 *Microcystis aeruginosa*, lysis, waste water 588

- Pseudomonas** cont. mining, waste water, cyanides, biodegradation 1076 olive oil, production, effluents, fermentation 2329 pentachlorophenol, biodegradation 1646 petroleum hydrocarbons biodegradation 2265 desulfurization 1621 phenolic compounds biodegradation ligases 1030 reductases 1031 phenols biodegradation, gases, manufacture 1026 metabolism, enzymes, anaerobic conditions 1155 phosphorus, transfer, sediment 2400 piggery effluent, activated sludge, isolation 1769, 1798 plant oils, biodegradation 1274 plasmids, paraquat, detoxification, cloning 620 polychlorinated biphenyls, biodegradation 316, 2297 salicylates, biodegradation 410 sulfonated aromatic hydrocarbons, mineralization 1581 tofu 115 2,4,6-trinitrotoluene, biodegradation 2206
- Pseudomonas aeruginosa** bactericides, resistance 1382 benzoates, biodegradation 2218 biofilms, particles, movement, tracers 593 control, antibacterial agents, anthraquinones 1987 denitrification, nitric oxide, production 581 enzymes, peptides, synthesis 592 formaldehyde, antibacterial properties, assessment 1353 inhibition, by *Bacillus polymyxa* 1350 isothiazolin, antibacterial properties, assessment 1353 lipase 1148 nitrates, assays 628 phenanthrene, biodegradation 2274 surfactants, production, hydrocarbons, soil, removal 2331 wells, sediment, antibiotics, resistance 275 wool, fibres, biodegradation 788
- Pseudomonas cepacia** aquifers, trichloroethylene, biodegradation 2062 biological control of *Botrytis cinerea* 103 *Penicillium expansum* 103 control, of *Monilinia fructicola* 734
- Pseudomonas corrugata**, control, of *Monilinia fructicola* 734
- Pseudomonas denitrificans** waste water treatment denitrification 1087 nitrification 1087
- Pseudomonas diminuta**, organophosphorus pesticides, biodegradation, parathion hydrolase, production 1666
- Pseudomonas fluorescens** indium, immobilization 573 organic matter, determination, water distribution, application 1866
- Pseudomonas fragi**, adhesion, surfaces 840
- Pseudomonas mira**, aromatic acids, biodegradation 2204
- Pseudomonas oleovorans** polyhydroxyalkanoate granules, structure, determination 2520 production 2516
- Pseudomonas paucimobilis** hexachlorocyclohexane, biodegradation, aerobic treatment 2201 lindane, biodegradation 1057
- Pseudomonas pseudoalcaligenes** ethanolamine, uptake, pH 582 nitrobenzene, biodegradation 2285
- Pseudomonas putida** aromatic hydrocarbons biodegradation 1638 genetics 1639 oxygenases, genetics 2277 3-chlorobenzoate, biodegradation, plasmids 2321 2,4-D biodegradation 1051 plasmids 2321 enzymes aromatic hydrocarbons, biodegradation, genetic code 1640 ketones, biodegradation 963 genetically engineered microorganisms, sewage, biological treatment, activated sludge 2141 mercury, removal, kinetics 2352 pesticides, biodegradation 2320 phenols, biodegradation, mathematical models 2296 polychlorinated biphenyls, biodegradation, bioremediation 1649 pulp mill effluent biodegradation ammonium chloride, supplements 1110 glucose, supplements 1110 surfactants, biodegradation, sewage 1060 survival, soil, indicators, genetic markers 2528
- Pseudomonas stutzeri** bactericides, resistance 1993 chlorobenzoic acids biodegradation 2202 soil 2261 silver, resistance 1783
- Pseudomonas syringae**, cells, heavy metals, uptake 2346
- Pseudomonas testosteroni** naphthalenesulfonates, biodegradation, 2-hydroxychlemene-2-carboxylate isomerase 2270 polychlorinated biphenyls, biodegradation, soil 312
- Pseudotsuga menziesii**, wood preservation, fumigation, dazomet 1952
- Psychoda alternata** control septic tanks, methoprene, controlled release, Japan 255 sewage, methoprene, controlled release, Japan 255
- Psychophilic bacteria** biotechnology 2535 ecology 2535 molecular biology 2535
- Psychrotrophic bacteria** bacterial count milk, Italy 774 raw milk, Italy 774 biotechnology 2535 control, milk, bacteriocins 186 ecology 2535 enzymes, biochemistry, methane, biodegradation 2280 inhibition, by *Propionibacterium thoenii*, bacteriocins 186 milk, contamination, determination, culture media 202 milk products, contamination, reviews 1328 molecular biology 2535
- Public health** abattoirs, equipment, personnel, contamination, *Salmonella*, India 23 foods, *Clostridium perfringens*, reviews 1855 mycotoxins, foods 683
- Puerto Rico** *Annona muricata*, syrups, microbial contamination, yeasts 1280 cream, syrups, microbial contamination, yeasts 1280 sesame, syrups, microbial contamination, yeasts 1280 *Tamarindus indica*, syrups, microbial contamination, yeasts 1280
- Pulp and paper industry** activated sludge, dewatering 2447

- Pulp and paper industry cont.**
 bleaching, biological treatment, reviews 524
 waste water, nitrogen, fixation, lagoons, *Klebsiella pneumoniae*, New Zealand 2438
 wastes, biological treatment, reviews 525
- Pulp mill effluent**
 activated sludge, bioreactors, Canada, Alberta 1108
Aspergillus fumigatus, growth 1741
 biodegradation
 activated sludge, ozone, radiation, treatment 2444
Aspergillus
 growth 1740
 kinetics 1740
 proteins, production, temperature 1739
Pseudomonas putida
 ammonium chloride, supplements 1110
 glucose, supplements 1110
 biological treatment
 activated sludge 1476
 lagoons
 aeration, Canada 526
 Australia 523
 colour, removal, biological treatment 2437
 degradation, lignin peroxidase, immobilization, dynamics 2439
 dyes, removal, bioreactors, activated carbon, anaerobic treatment 2443
 halogenated organic compounds
 removal
 biological treatment
 activated sludge 2442
 ponds 2442
 phenolic compounds
 biodegradation
 Nocardoides simplex 1029
 Streptomyces rochei 1029
 sulfites
 aerobic treatment, Canada 527
 anaerobic treatment, Canada 527
 thermomechanical pulping, treatment, biological fixed-film systems, Canada 1743
 treatment, lagoons 1483
 waste water treatment, USA, New York 1109
- Pummelos × grapefruits**
 keeping quality, control 128
 storage decay, control 128
- Pycnoporus cinnabarinus**
 dyes, biodegradation, monitoring 2570
 effluents, decolorization 2432
- Pyridines**, biodegradation, *Cunninghamella echinulata* 400
- Pyrites**
 bacterial leaching, *Thiobacillus*, carbon dioxide 2457
 oxidation
 bacteria
 methodology 532
 ultraviolet spectroscopy 1075
 coal, *Metallosphaera sedula* 2376
 soil, landfills, sulfuric acid, production, *Thiobacillus ferrooxidans* 2166
 sphalerite, bacterial leaching, *Thiobacillus ferrooxidans* 2380
- Pyrococcus furiosus**, polysaccharides, hydrolysis, enzymes 2549
- Pyruvic acid**, metabolism, *Halobacterium salinarium*, determination, nuclear magnetic resonance spectroscopy 1578
- Quality controls**
 cheesemaking
 microbial contamination
 Listeria 26
 Salmonella 26
 dairy hygiene, reviews 633
 dried milk
 manufacture
 microbial contamination
 Listeria 26
 Salmonella 26
 milk hygiene, reviews 633
- Quality standards**
 dairy hygiene, reviews 633
 milk hygiene, reviews 633
- Quantitative techniques**, assessment, waste water treatment, organic compounds, mixtures, toxicity, microorganisms 2087
- Quaternary ammonium compounds**
 biodegradation
 bacteria 469
 microorganisms, activated sludge 399
- Quercitol gallates**, antibacterial properties 246
- Quinces**, storage decay, India 125
- Quinolines**, biodegradation, determination, mutagenicity 2219
- Quinones**, biodegradation, *Phanerochaete chrysosporium*, enzymes 401
- Rabbits**, carcasses, microbial contamination, Egypt 157
- Radiation**
 foods, microbial contamination, control 1970
 hospitals, wastes, treatment 2414
 sewage sludge, treatment, pathogens, removal, Thailand 1977
 waste water treatment
 disinfection, reviews 1976
 reviews 1975
 wastes, treatment, reviews 1975
- Radioactive wastes**, disposal, bioremediation, environmental impact 2496
- Radionuclides**
 groundwater, health hazards 2022
 uptake, microorganisms, biotechnology, reviews 2536
- Raisins**
 stored products pests
 Coleoptera, South Africa 135
 insects, South Africa 135
- Raspberries**
 fruit pulp, thermophilic fungi, detection, sample pretreatment 1289
 storage decay, reviews 132
- Rattus rattus**
 fruit crops, damage, cold storage, control 1395
 vegetables, damage, cold storage, control 1395
- Raw milk**, psychrotrophic bacteria, bacterial count, Italy 774
- Red tides**, *Gymnodinium*, marine environment, pollution 542
- Reed beds**, sewage effluent, tertiary treatment 2143
- Refrigerators**, contamination, *Listeria monocytogenes*, USA 1964
- Refuse**
 anaerobic digestion
 amendments, soil, production 2489
 methane production 2189, 2489
 anaerobic treatment, bioreactors, humus, production 1456
 biodegradation
 application to land, Saudi Arabia 1177
 green manures, production, reviews 2186
 methane production, anaerobic treatment, landfills 1556
- biogas
 production
 anaerobic digestion, bioreactors 1511
 India 947
 South Africa 947
- biological treatment, anaerobic digesters 1513
- composting
 biochemistry 1776
 bioreactors 1129
 Greece 1127
 legislation
 Canada, reviews 1462
 Europe, reviews 1462
 USA, reviews 1462
 organic matter, stabilization, seasonal variation 2112
 pathogens, reduction, Tunisia 1467
 reviews 1464
 risk assessment, reviews 1463
- Refuse cont.**
 composting cont.
 supply balance, USA 1465
 UK 1461
 composts, chemical properties, Sweden 2115
 containers, microbial contamination 2495
 landfills, methane production, USA, New York 1536
 management, books 2604
 sewage sludge, composting, USA 2121
 treatment, anaerobic digesters, start up, monitoring 2147
 vermicomposting, application to land, soil properties, improvement, Brazil 339
 waste disposal, sulfuric acid, production, microorganisms 2166
 yeasts, anaerobic digestion 1781
- Refuse compost**
 utilization
 ornamental plants, growing media 557
 Pontederia cordata, growing media 558
- Regression analysis**, rivers, water quality, bacterial count, Japan 1399
- Reservoirs**
 algae, proliferation, eutrophication, Czech Republic 2028
 algal blooms, ecosystems, food chains, control, Poland 1398
 cyanobacteria, contamination, water purification, processes, UK 2451
 eutrophication
 control
 phosphorus
 removal
 sewage, South Africa 1713
 waste water, South Africa 1713
- cyanobacteria, Czech Republic 2029
 drinking water, contamination, Czech Republic 2030
 mathematical models, phosphorus, algal blooms, estimation, Brazil 1714
- nutrients
 chlorophyll, correlations, Russia 2384
 eutrophication 2383
- organic compounds
 biodegradation, algae, production, Czech Republic 2200
 eutrophication 2383
- petroleum, microbially enhanced oil recovery, USA 1010
- phosphorus
 eutrophication, Czech Republic 2411
 levels, inhibition, algae, eutrophication, Czech Republic 2412
- sediment
 fire retardants, biodegradation, USA 1033
 organobromine compounds, biodegradation, USA 1033
 phenolic compounds, biodegradation, USA 1033
 waste water, irrigation, coliform bacteria, removal, Israel 2124
- Resorcinol**, biodegradation, *Rhodococcus* (bacteria) 1580
- Restaurants**, pest control 35
- Reviews**
 activated sludge, diffusers, fouling 906
 aflatoxins, control, groundnuts 108
 air pollution, bioremediation, biotechnology 1429
 alginates, depolymerization, bacteria, enzymes 2539
 amino acids
 production
 ethanol production
 cellulosic wastes, microbial degradation, USSR 988
 lignocellulosic wastes, microbial degradation, USSR 988
 ammonia, nitrification, nitrifying bacteria, environment 1709
 anaerobes
 biotechnology 2537

Reviews cont.

- anaerobes *cont.*
 - granules, structure, anaerobic digesters 1504
 - salt tolerance 2502
- anaerobic digestion
 - biochemistry 1501
 - Europe 426
 - ancient monuments, biodeterioration 1957
 - animal manures
 - anaerobic treatment 1459
 - biodegradation, green manures, production 2186
 - animal wastes
 - application
 - crops, India 927
 - feeds, India 927
 - aquifers
 - genetically engineered microorganisms, release, survival, environmental impact 292
 - pollution
 - bioremediation 847
 - microorganisms, acclimatization, bioremediation 848
 - aromatic compounds
 - biodegradation, fungi 411
 - microbial degradation, groundwater 974
 - bacteria
 - acidophilic
 - biology 2533
 - biotechnology 2533
 - salt tolerance 2502
 - thermal environments 2531
 - bacterial spores, adhesion, surfaces, food, contamination, enhancement 1234
 - bacterial toxins, gram negative bacteria, structure activity relationships, determination, electron microscopy 1259
 - beans
 - insect pests, control, irradiation 249
 - stored products pests, control, irradiation 249
 - benzoates, biodegradation, fungi 411
 - beverages, spoilage, yeasts 1913
 - biodegradation 852
 - biogas
 - production
 - fuels, biotechnology 2190
 - landfills, Europe 562
 - biology, anaerobes, environment, stress 1163
 - biomass, utilization 634
 - bioremediation 852
 - books, microbial contamination, air spora 1955
 - bottled water, microbial flora 1869
 - carbon dioxide
 - utilization
 - chemicals, production 2188
 - ethanol production 2188
 - fuels, production 2188
 - caves, biodeterioration 1957
 - cellulolytic microorganisms, enzyme activity 419
 - cellulose
 - biodegradation
 - bacteria, enzymes 1602
 - cellulase, microorganisms 419
 - cellulosic wastes
 - utilization
 - chemicals, production 2188
 - ethanol production 2188
 - fuels, production 2188
 - cereal grains
 - contamination, microorganisms, food hygiene 668
 - insect pests, control, irradiation 249
 - mycotoxins, legislation 2
 - storage
 - insect pests 289
 - stored products pests 289
 - stored products pests, control, irradiation 249
 - cereals, storage, mycotoxins 701
 - chilled foods, microbial contamination, health hazards 1233
 - chlorinated hydrocarbons
 - biodegradation, environment 449

Reviews cont.

- chlorinated hydrocarbons *cont.*
 - environment, bioremediation 2068
 - microbial degradation, groundwater 974
- coal
 - biodegradation
 - genetically engineered microorganisms 2473
 - methane production 2471
 - depolymerization
 - bacteria 2468
 - fungi 2468
 - solubilization
 - anaerobes 2470
 - bacteria 2467
 - fungi 2466-2467
 - upgrading
 - microbial degradation
 - biochemistry 2465
 - chemistry 2465
 - composts, maturity, techniques, determination 2108-2109
 - copra
 - insect pests, control, irradiation 249
 - stored products pests, control, irradiation 249
 - crab meat, pasteurization 152
 - crop residues, biodegradation, green manures, production 2186
 - d-malic acid
 - production
 - actinomycetales 1082
 - bacteria 1082
 - fungi 1082
 - yeasts 1082
 - dairy factories
 - microbial contamination
 - cleaning 514
 - sterilization 514
 - dairy hygiene
 - quality controls 633
 - quality standards 633
 - dairy wastes
 - biological treatment 513
 - aerobic conditions, Belgium 515
 - anaerobic conditions, Belgium 515
 - dates
 - insect pests, control, irradiation 249
 - stored products pests, control, irradiation 249
 - deserts, bioremediation, cyanobacteria, green manures 317
 - detergents, biodegradation 2330
 - drinking water
 - water quality
 - bacteriology 664
 - microbiology 664
 - endotoxins, gram negative bacteria, structure activity relationships, determination, electron microscopy 1259
 - environment, bioremediation, microorganisms 2057
 - environmental management 2599
 - environmental pollution, bioremediation 868
 - ethanol production
 - cellulosic wastes, microbial degradation, USSR 988
 - lignocellulosic wastes, microbial degradation, USSR 988
 - feeds
 - aflatoxins
 - estimation 55
 - USA 78
 - contamination
 - ochratoxins, livestock, effects 72
 - vomitoxin, livestock, effects 72
 - zearalenone, livestock, effects 72
 - fumonisins
 - estimation 55
 - USA 78
 - mycotoxins
 - analytical methods 1217
 - Canada 77
 - ochratoxins, USA 78
 - single cell protein, sources 939
 - vomitoxin
 - estimation 55
 - USA 78
 - feeds *cont.*
 - zearelenone
 - estimation 55
 - USA 78
 - flours, contamination, microorganisms, food hygiene 668
 - food biotechnology, carboxylic ester hydrolases, production, microorganisms 567
 - food contamination, foods, distribution, insect pests 291
 - food irradiation 250
 - food microbiology, prediction, models 1874
 - food poisoning 13
 - epidemiology 655
 - food processing, food safety 1875
 - food safety, mycotoxins 71
 - food spoilage, yeasts 1876
 - foodborne diseases
 - food poisoning 1195
 - Salmonella*, UK 24
 - UK 14
 - foods
 - aflatoxins, estimation 55
 - contamination, toxins 70
 - Escherichia coli*, detection 1831
 - fumonisins, estimation 55
 - Listeria monocytogenes*, virulence, health hazards 1205
 - microbial contamination, control, disinfectants 1979
 - Mucorales, detection 1250
 - vomitoxin, estimation 55
 - zearelenone, estimation 55
 - fruit
 - microbial degradation 1916
 - microbiology 1916
 - spoilage 1916
 - fruit crops
 - microbial degradation 1916
 - microbiology 1916
 - spoilage 1916
 - fumonisins, production, fungi 74
 - fungi, wood, resistance 222
 - genetically engineered microorganisms
 - biotechnology 1132
 - soil, techniques, determination 271
 - grain legumes
 - insect pests, control, irradiation 249
 - stored products pests, control, irradiation 249
 - grana cheese, contamination, microorganisms, prevention 779
 - green manures, production, methane production 2186
 - groundwater
 - bioremediation, Germany 2063
 - water supply, microbial contamination, health hazards, USA 2019
 - halogenated aliphatic herbicides, microbial degradation, groundwater 974
 - halogenated alkanes, biodegradation 1633
 - hazardous wastes sites, bioremediation 2079
 - heavy metals
 - biodegradation, animals 958
 - removal, algae 474
 - uptake, microorganisms, biotechnology 2536
 - herbicides
 - biodegradation
 - organic matter 1050
 - waste water treatment 1431
 - hexoses
 - utilization
 - organic acids, production, microorganisms 1582
 - solvents, production, microorganisms 1582
 - historic sites, biodeterioration 1957
 - human faeces, biodegradation, green manures, production 2186
 - hydrogen
 - production
 - fuels, biotechnology 2190
 - microorganisms, Germany 383
 - industrial wastes, reduction, UK 1196
 - insecticides, biodegradation, waste water treatment 1431

Reviews cont.

- iron, microbial corrosion 233
- lactic acid bacteria, bacteriocins, characterization 1373
- lactoferrin, antibacterial properties 245
- lactoperoxidase, antibacterial properties 245
- lactose, utilization, microorganisms 1103
- landfill leachates
 - biological treatment, Germany 2165
 - pollution, aquifers, bioremediation 2162

Legionella

- cooling towers, control 9
- sewage, control 9
- waste water, control 9
- waterborne diseases, control 9

lignin

- biodegradation
 - bacteria 1597
 - catalysts 1598
 - fungi, enzymes, production 2561
 - rumen microorganisms 1542
 - wood destroying fungi 1596

lignocellulose, biodegradation, rumen**microorganisms**

- microorganisms 1542
- lignocellulosic wastes**
 - biodegradation
 - actinomycetales 1605
 - Europe 426
 - fuels, Canada 987
 - microorganisms 1607
 - Phanerochaete chrysosporium*** 1605
 - utilization, biotechnology 1605

linear alkylbenzene sulfonate, biodegradation**methane, oxidation, bacteria, genetics****2500****methane production, fuels, biotechnology****2190****methanol, oxidation, bacteria, genetics****2500****microbial activities, soil****microbiologically enhanced oil recovery****1006****biotechnology****1132****microbiology, aquatic environment****826****microorganisms****biotechnology****1138****cold adapted, properties, biotechnology****2552****environment, alkaline, biotechnology, enzymes****2534****growth, kinetics****1135****milk hygiene****quality controls****633****quality standards****633****milk products, contamination, psychotropic bacteria****1328****monuments, fungi, calcium oxalate****1958****mussels****food poisoning****bacteria 288****pathogens 288****viruses 288****mycotoxins****control, molecular biology****1896****detection, immunoassay****685****foods, Italy****694*****Neosartorya fischeri*, heat resistance****1389****nitrogen****removal****sewage****EC regulations****2491****Netherlands 2385****waste water, Netherlands****2385****oil spills, bioremediation, Canada****1412****oils/seeds****insect pests, control, irradiation****249****stored products pests, control, irradiation****249****organic compounds****biodegradation****environment****aerobic conditions 855****anaerobic conditions 855****microorganisms 1413****environment, microorganisms, acclimation****2197****Reviews cont.****organic compounds cont.**

- pollutants, biodegradation, *Phanerochaete chrysosporium* 1575
- organic halogen compounds, biodegradation, microorganisms 976
- organic wastes, biodegradation, green manures, production 2186
- organochlorine compounds, biodegradation, animals 958
- organochlorine insecticides, microbial degradation, groundwater 974
- packaging 1717
- paintings
 - fungi, air spora 1956
 - microbial contamination, air spora 1956

pastry, contamination, fungi, Morocco**714****pathogens****survival**

- groundwater 2020
- soil 2020
- water, books 1864

pentoses**utilization**

- organic acids, production, microorganisms 1582
- solvents, production, microorganisms 1582

pesticides**biodegradation****resistance 2239****soil 2324****petroleum hydrocarbons****biodegradation 1011****aquifers 1004****groundwater 1004*****Phanerochaete chrysosporium*****enzymes 1821****genetics 1823****molecular biology 1822****physiology 1822****phenolic compounds**

- biodegradation, microorganisms 1413
- microbial degradation, groundwater 974

phosphate solubilizing bacteria, soil**2408****phosphates**

- removal, waste water, biological treatment, Germany 2406
- solubilization, fungi, soil 2408

phosphorus**removal****sewage****EC regulations 2491****Netherlands 2385****waste water, Netherlands 2385****pig manure, wastes, treatment, biological treatment, Netherlands 2483****plant residues, biodegradation, green manures, production 2186****pollutants****availability, biodegradation 2234****biodegradation 2235****kinetics 2230****liquids, biodegradation 2233****microbial activities, aquifers 2021****polluted soils****bioremediation 1415****petroleum hydrocarbons, bioremediation 1418****pollution, bioremediation, techniques 2058****polychlorinated biphenyls****biodegradation****resistance 2239****waste water treatment 1431****microbial degradation, groundwater 974****polycyclic hydrocarbons, biodegradation 1572****polyhydroxyalcanoate, production, cyanobacteria 2514****polymers****biodegradation****books 1021-1022****environmental impact 1022****microorganisms 1020****resistance 2239****Reviews cont.****polymers cont.**

- exocellular, production, *Acinetobacter calcoaceticus* 574

prepared foods, pathogens 117**Prokaryotes 636-638**

- pulp and paper industry, wastes, biological treatment 525
- radionuclides, uptake, microorganisms, biotechnology 2536

raspberries, storage decay 132

- refuse, biodegradation, green manures, production 2186
- rocks, microbial corrosion 233

seafoods, pasteurization 152

- seeds, mycotoxins, legislation 2
- sewage

- aerobic treatment, microbiology 874
- anaerobic treatment, microbiology 874

biological treatment 323**treatment****aquatic plants 359****Malta 559**

- waste water treatment, Malta 559
- sewage effluent disposal, agriculture, India 927

sewage sludge

- application to land, pathogens 651
- composting 2113

fertilizers, forests, Canada 561**landfills, pathogens 651**

- soil pollution, petroleum hydrocarbons, bioremediation 1418
- solid wastes, composting, Netherlands 1126

- solvents, chlorinated, environment, bioremediation, anaerobic conditions 2056
- starch

utilization

- chemicals, production 2188
- ethanol production 2188
- fuels, production 2188
- thermoplastics, biodegradable, production 2313

stonework**fungi, calcium oxalate 1958****lichens 2007****microbial corrosion 233**

- stored products, insect pests, control 1393
- substrates, biodegradation, microorganisms, growth 2228

sulfides**bacterial leaching*****Leptospirillum* 487*****Thiobacillus* 487**

- surfactants, production, utilization, microorganisms 957
- Thiobacillus ferrooxidans*, molecular genetics 2503**

tobacco**insect pests, control, irradiation 249**

- stored products pests, control, irradiation 249

toxic substances**biodegradation**

- polluted soils, monitoring 853
- polluted water, monitoring 853

- vegetable products, fermentation, lactic acid bacteria 2423

vegetables**microbial degradation 1916****microbiology 1916****spoilage 1916****viruses, foodborne diseases 828****waste water****biological treatment 323****utilization****agriculture****Middle East 370****North Africa 370****irrigation****Middle East 370****North Africa 370****waste water treatment****aquatic plants 359****chemical industry, UK 1196****filters, sand, USA 900**

Reviews cont.

- waste water treatment *cont.*
 microorganisms, immobilization,
 biofilms, bioreactors 2086
 wastes
 biosurfactants, production 2329
 reduction, UK 1196
water, *Escherichia coli*, detection 1831
water purification, disinfection 665
water reuse, microbiology, Jordan 1550
water supplies, contamination, microorganisms 806
water systems, contamination, microorganisms 806
 wetlands, constructed, waste water treatment 1484
whey, utilization, microorganisms 1103
winemaking, yeasts 2562
wood, biodegradation, wood preservation,
 bacteria 1151
wood preservatives, organotin compounds 795
 works of art, microbial contamination, air
 spora 1954
xylan, biodegradation, microorganisms,
 enzymes 2249
- Rhizobium**, aromatic hydrocarbons,
 biodegradation 959
- Rhizobium leguminosarum**, phenolic compounds, biodegradation, enzymes, genetics 459
- Rhizomucor hiemalis**, yoghurt, containers, defects, collapse, Italy 210
- Rhizomucor racemosus**, yoghurt, containers, defects, collapse, Italy 210
- Rhizopus**
 cassava peel, fermentation, feeds, production 1537
 ethanol production, cassava starch, saccharification, fermentation, bioreactors 1659
 production, starch, biodegradation, glucan 1,4- α -glucosidase 2312
 vaccines, rabies, contamination, Nigeria 799
- Rhizopus arrhizus**
 biomass, humic acids, removal, drinking water, UK 2453
 bread, *Aspergillus flavus*, inhibition 2004
 cadmium, uptake, immobilization 1181
 control, packaging materials, plastic film, mangoes 131
 enzymes, palm oil, upgrading 1545
 sulcatol, production 1569
- Rhizopus oryzae**
 enzymes, production, potatoes, storage decay 139
 pectins, biodegradation, enzymes 606
 potatoes, storage decay, cellulase, production 139
- Rhizopus stolonifer**, feeds, Nigeria 79
- Rhodobacter capsulatus**, nitrogen fixation, molybdenum, effects 2390
- Rhodobacter sphaeroides**, heavy metals, recovery 2344
- Rhodobacter sphaeroides**, immobilization, polyvinyl alcohol, gel, denitrification 491
- Rhodococcus**
 galactans, cell walls, composition, genera, identification 1801
 sterols, biodegradation 395
- Rhodococcus (bacteria)**
 azo compounds, decolorization, genetic engineering 1810
 dyes, decolorization, genetic engineering 1810
 resorcinol, biodegradation 1580
- Rhodococcus erythropolis**
 flocculants, production 877
 kaolin, flocculation, polymers, production 878
- Rhodococcus rhodochrous**
 benzene, utilization, Belarus 1636
 polychlorinated biphenyls, biodegradation, bioremediation 1649
- Rhodococcus ruber**, polyhydroxybutyrate, production 2509
- Rhodococcus rubropertinctus**, dimethyl phthalate, biodegradation 966

Rhodopseudomonas blastica, aromatic hydrocarbons, biodegradation 1630

Rhodopseudomonas palustris
 biomass, recovery, flocculation, polymers, cations 565
 polyhydroxybutyrate, production 2515
waste water treatment, bioreactors 328

Rhodospirillum rubrum
 aromatic hydrocarbons, biodegradation 1630
 carbon monoxide, utilization, hydrogen, production 1160

Rhodotorula, growth, paint, films, resistance, assessment 1345

Rhodotorula rubra, phenols, degradation, β -ketoadipic acid, detection, gas chromatography, mass spectrometry 1038

Rhynchosporus brunneus, wood, USA 218

Rhyzopertha dominica
 cereal grains, contamination, control, fumigation 697
 rice

insect pests, Taiwan 99

storage, Taiwan 98

stored products pests, Taiwan 99

Riboflavin
 production
 lentils, utilization, *Eremothecium ashbyii* 1538
 molasses, utilization, *Eremothecium ashbyii* 1538

Rice
 insect pests, Taiwan 99
 storage
 insect pests, Taiwan 98
 mycotoxins, fungi 708
 seedborne fungi
 control
 plant extracts
 antibacterial properties 101
 antifungal properties 101

seedborne organisms
 control
 plant extracts

antibacterial properties 101
 antifungal properties 101

stored products pests, Taiwan 98
 storage decay, control, containers, India 100

stored products pests, Taiwan 99
 utilization, ethanol production, *Saccharomyces cerevisiae*, genetic engineering 2181

Rice bran, oils, hydrolysis, triacylglycerol lipase, *Candida lipolytica*, kinetics 2173

Rice husks, fermentation, *Penicillium citrinum*, enzymes, production 437

Rice straw 997
 biodegradation
Cyathus stercoreus 1594
Dichomitus squalens 1594
 microorganisms, carbon, nitrogen, ratios 2254
Phanerochaete chrysosporium 1594
 lignin
 biodegradation
Phanerochaete chrysosporium 2246
Polyporus osteriformis 2246
 upgrading, *Pleurotus ostreatus* 374
 utilization
 cellulase, *Aspergillus fumigatus* 1590
 xylanases, *Aspergillus fumigatus* 1590

Rice + vegetables, microbial contamination, *Saccharomyces*, Japan 1288

Rigidoporus lignosus, cytochemistry, wood, biodegradation 2563

Rivers
 cyanobacteria, contamination, water purification, processes, UK 2451
 microbial activities, heavy metals, inhibition, Germany, determination, amino acids 845
 microbial flora, sediment, trichlorobiphenyl, biodegradation, USA 1647
 pollution
 bacterial toxins, *Clostridium botulinum*, Japan 53
 India 844

Rivers cont.

- sediment
 chloroform, biodegradation, toxic substances, inhibition 2205
 polychlorinated biphenyls
 biodegradation
 anaerobes, USA, New York 1650
 biochemical 1651
 bioremediation, USA 1655-1656
 USA 2303
water quality
 bacterial count, regression analysis, Japan 1399
 biological indicators, sewage, pollution, faecal flora, USA 2015
 improvement, sewage, treatment, upgrading, sewage effluent disposal, USA 2492

Rock phosphate, availability, soil, phosphate solubilizing microorganisms, Thailand 566

Rocks, microbial corrosion, reviews 233
Rotating biological contactors
 biofilms, development, sewage, treatment 1526

design
 sewage, biological treatment 922
waste water treatment 2082
 kraft mill effluent, biological treatment 875
 septic tank effluent, treatment 923
sewage, biological treatment, biofilms, microorganisms, composition 1525
waste water treatment, kinetics 367

Rubber industry
 effluents, biological treatment, ponds, algae 1114
 wastes, biological treatment, Malaysia 1753

Rumen microorganisms
 lignin, biodegradation, reviews 1542
 lignocellulose, biodegradation, reviews 1542
 maize stover, biodegradation, interactions 418
 wheat straw, biodegradation, interactions 418

Ruminococcus flavefaciens
 maize stover, biodegradation, interactions 418
 wheat straw, biodegradation, interactions 418

Runoff
 groundwater, microbial contamination, faecal coliforms, USA 296
 phosphorus, removal, wetlands, Western Australia 1093

Runoff water, effects, sewage, treatment, sewage, combined 2083

Russia
 Zheleznogorsk
 sewage sludge
 composting 1782
 disinfection 1782
 hydrogen sulfide, production, groundwater 2196
 methane production, groundwater 2196
 methanobacteriaceae, tundra soils 1145
 nutrients, chlorophyll, correlations, reservoirs 2384
 petroleum hydrocarbons, biodegradation, bacteria, oil fields, osmoregulation 2264
 phosphates, uptake, microorganisms, lakes 1090
 surfaces, aquatic environment, biofouling, bacteria, adhesion, suppression 1965

Rye, contamination, ochratoxins, Germany 89
Saccharomyces
 control

Hansenula 1989
Kluyveromyces 1989
 genetic engineering 110
 genetic transformation, electroporation 279
 phenols, biodegradation 1654
rice + vegetables, microbial contamination, Japan 1288

- Saccharomyces beticus**, wines, contamination 1911
- Saccharomyces cerevisiae**
barley, utilization, ethanol production, genetic engineering 2181
beers, fermentation, sulfur, volatile compounds 111
carobs, fruits, utilization, ethanol production 1551
cassava, utilization, ethanol production, genetic engineering 2180
cells, immobilization, ethanol production, bioreactors, carriers, plant residues 1612
encapsulation, glass, catalysts, biological 612
ethanol, fermentation, biological fixed-film systems, design, carbon dioxide, production 1100
ethanol production 1547
cassava starch, saccharification, fermentation, bioreactors 1659
inhibition, furfural 1546
levoglucosan, wood tar 1611
gene treatment, xylose, utilization, enhancement 1826
genetic engineering, *Aspergillus awamori*, glucan 1,4- α -glucosidase, production, heat stability 601
genetic transformation, electroporation 279
genetics, glycerol, production 2544
inactivation, strawberries, freezing 1359
lignocellulosic wastes, fermentation, hemicelluloses, utilization, ethanol production 1583
maize, utilization, ethanol production, genetic engineering 2181
rice, utilization, ethanol production, genetic engineering 2181
sorghum stalks, fermentation, ethanol production 2179
wheat straw, upgrading, ethanol production 948
wort, fermentation, sulfur, volatile compounds 111
- Saccharomyces chevalieri**, olive oil, waste water, utilization, single cell protein, production 937
- Saccharomyces diastaticus**, ethanol production, levoglucosan, wood tar 1611
- Saccharomyces rouxii**, olive oil, waste water, utilization, single cell protein, production 937
- Saccharomyces uvarum**
genetic transformation, electroporation 279
sugarbeet juice, fermentation, ethanol production 377
- Salads**
beef, *Escherichia coli*, pH, temperature, acidulants 1924
lettuces, food processing, bacterial count 1303
microbial contamination, coliform bacteria, identification 1914
pasta, mayonnaise, contamination, bacteria, control, temperature 721
poultry meat, mayonnaise, contamination, bacteria, control, temperature 721
- Salicylates**, biodegradation, *Pseudomonas* 410
- Saline water**, industrial wastes, biological treatment, bacteria, halophytes 2415
- Salmon**
carcasses, silage making, temperature 928
processing
Aeromonas 147
Listeria 147
Yersinia enterocolitica 147
- Salmonella**
abattoirs, equipment, personnel, contamination, public health, India 23
beef, abattoirs 161
control
feeds, antibiotics 84
pigmeat, contamination, vacuum packaging, cold storage 1925
- Salmonella* cont.
control cont.
temperature
salads
pasta, mayonnaise, contamination 721
poultry meat, mayonnaise, contamination 721
- dried milk, detection 1187
drinking water 31
detection 631
- feeds, contamination, Poland 1903
foodborne diseases, UK, reviews 24
foods
contamination
detection 190
supermarkets, Mexico 656
detection 39, 1886
DNA probes 623
ELISA 1239
- growth, beef, minced, modified atmosphere storage 1317
identification 1829
isolation, agar 1889
microbial contamination
cheesemaking, quality controls 26
dried milk, manufacture, quality controls 26
- milk products, contamination, detection 190
- polluted water, detection, DNA probes 623
- poultry meat, contamination, Switzerland 767
- poultry products, contamination, enzyme immunoassay 180
- shellfish
enumeration 1920
isolation 1920
soil, survival 838
- Salmonella enteritidis**
acids, resistance, pH 1851
eggs
detection 181
isolation 2582
food poisoning, Italy 8
foods, isolation 2582
- gene mapping, *Salmonella typhimurium*, relationships 1381
growth, eggs, storage 1327
survival, foods, temperature, enumeration 1378
- Salmonella mikawasima**, meat products, contamination, food poisoning, UK 1214
- Salmonella typhi**, detection, culture media 1221
- Salmonella typhimurium**
adhesion
dairy equipment, stainless steel, milk, effects 235
sausages, skins, artificial 1936
bacterial toxins, production 1212
beef, adhesion 757
control
pickled cheese
hydrogen peroxide 783
nisin 783
sorbic acid 783
poultry meat, chilling, water, electric current, salts 1360
- destruction
heavy metals
removal
sewage sludge, bacterial leaching 2342
sludges, bacterial leaching 2342
- enumeration 627
ham, contamination, food poisoning, food hygiene, UK 1213
pigmeat, UK, epidemiology 16
relationships, *Salmonella enteritidis*, gene mapping 1381
starvation, adhesion, beef 1318
turkeys
defeathering 770
skin 770
- Salmonellae**
sewage, enumeration 614
waste water, enumeration 614
- Salmonellosis**, control, foods 1209
- Salt tolerance**
anaerobes, reviews 2502
bacteria, reviews 2502
- Salts**, electric current, poultry meat, chilling, water, *Salmonella typhimurium*, control 1360
- Savinia**
chromium, removal, waste water 2359
heavy metals, removal, waste water 2359
nickel, removal, waste water 2359
- Sand**, *Methylosinus trichosporium*, adhesion, bioremediation 859
- Sandstone**, *Nitrosospirillum*, historic buildings, Germany 257
- Sanitation**, development, books 1198
- Sardines**
amines, contamination, bacteria, control, sodium chloride 148
bacteria, histamine 746
histamine, contamination, bacteria, control, sodium chloride 148
keeping quality, analysis 1308
- Saudi Arabia**
activated sludge, dewatering 2094
beef
vacuum packaging
keeping quality
storage 759
transport 759
- foodborne diseases 21
poultry manure, biodegradation, application to land 1177
refuse, biodegradation, application to land 1177
- Sauerkraut**, brine, enzymes, production, *Geotrichum candidum* 1096
- Sausages**
amines, production, lactic acid bacteria 764
biodegradation, lactic acid bacteria, morphology, determination 1320
boiled, *Listeria monocytogenes* 1995
contamination
yeasts, gamma radiation, control 1937
Yersinia enterocolitica, temperature 1996
- fermentation
Lactobacillus
bacteriocins 1891
transformation 1929
Lactobacillus curvatus, characterization 1794
Lactobacillus sake, characterization 1794
- lactic acid bacteria, bacteriocins, production, pathogens, control 1968
- Lactobacillus*, Italy 1928
- Listeria monocytogenes*, control, heat treatment 1321
- microbial contamination, *Micrococcus* 1934
- microbial flora 766
- skins, artificial, *Salmonella typhimurium*, adhesion 1936
- Staphylococcus aureus*, Italy 1926
- Sawdust**
utilization
composts, bulking agents 1460
Volvariella volvacea, growth 423
- Scenedesmus**, chlorobenzene, uptake, temperature, effects 2198
- Scenedesmus falcatus*, pig manure, treatment, lagoons 1500
- Scenedesmus quadricauda*, pig manure, treatment, lagoons 1500
- Schistosomiasis**, control, drainage, Cameroon 286
- Schoenoplectus lacustris*, heavy metals, uptake, artificial wetlands, *Phragmites australis* 2360
- Schwanniomyces castellii*
ethanol production, levoglucosan, wood tar 1611
starch, utilization, growth, environmental factors 1042
- Sclerotinia sclerotiorum**
control
celery
storage decay
iprodione, Israel 1304

- Sclerotinia sclerotiorum cont.**
control cont.
celery cont.
storage decay cont.
thiabendazole, Israel 1304
- Scopulariopsis**, feeds, Nigeria 79
- Scrubbers**, bioreactors, soil, odours, removal, air, microbial activities 1:06
- Sea water**
Escherichia coli
determination, faecal coliforms, coliforms, techniques 1865
viability, phosphates, enhancement 1380
- nutrients, Spain 1696
organic matter, biodegradation, Spain 1696
- phytol, biodegradation, aerobes, temperature, effects 2307
- Vibrio vulnificus*, survival, temperature 2001
- Seafoods**
bacteria, heat treatment, survival 745
contamination, *Vibrio parahaemolyticus*, marine environment, India 1383
keeping quality, control, lactates 671
- Listeria*, Japan 1310
- Listeria monocytogenes*, growth, temperature 143
- pasteurization, reviews 152
processing, *Listeria monocytogenes*, control, disinfectants 151
wastes, composting, bulking agents 1460
- Seawater**
mineral oils, biodegradation 1616
petroleum hydrocarbons, biodegradation 1616
- Sediment**, water systems, phosphorus, immobilization, microbial activities, nitrates, availability, Germany 499
- Sedimentation tanks**, operation, sewage, treatment, mathematical models 2040
- Seedborne fungi**
control
plant extracts
antibacterial properties, rice, storage 101
antifungal properties, rice, storage 101
- triticale, grain, storage decay 711
- Seedborne organisms**
control
plant extracts
antibacterial properties, rice, storage 101
antifungal properties, rice, storage 101
- Seeds**, mycotoxins, legislation, reviews 2
- Selenates**, utilization, *Thauera selenatis*, taxonomy 591
- Selenium**, determination, foods, assays, *Escherichia coli*, enzymes 48
- Senegal**
biogas, production, electricity, production, animal manures, abattoirs, anaerobic digestion 952
- shrimps
microbial contamination
food hygiene 1309
food quality 1309
- Septic tank effluent**
disposal, nitrates, pollution, groundwater, USA 1088
- enterovirus, environmental impact 931
- treatment
filters, sand 901
peat, filters 1423
rotating biological contactors 923
- soil, enterovirus, removal 931
- wetlands, on-site, USA 913
- Septic tank effluents**, groundwater, microbial contamination 2023
- Septic tanks**
Psychoda alternata, control, methoprene, controlled release, Japan 255
- sewage, treatment, bile pigments, biodegradation, detection, HPLC 1775
- Sericulture**, wastes, utilization, mushrooms, growth 368
- Serpula lacrimans*, identification, immunodiagnosis 1832
- Serpula lacrimans*
buildings, control 236
wood
Europe 1946
India 1946
- Serratia**, biological control, of *Botrytis cinerea* 140
- Sesame**, syrups, microbial contamination, yeasts, Puerto Rico 1280
- Sewage**
aerobic treatment, microbiology, reviews 874
- anaerobic treatment
bioreactors
microorganisms, carbon dioxide, production, monitoring 1437
performance, India 1446
- microbiology, reviews 874
- biochemical oxygen demand, determination 1408
- biodegradation, anaerobic treatment, determination 1503
- biological treatment 1427
activated sludge
Escherichia coli, genetically engineered microorganisms 2141
- Pseudomonas putida*, genetically engineered microorganisms 2141
- Antarctica 324
- bioreactors, anaerobic conditions, aerobic conditions, design 1430
- ponds 2145
Eichhornia crassipes 2569
- reviews 323
- rotating biological contactors
biofilms, microorganisms, composition 1525
design 922
- bioreactors
anaerobic treatment
Brazil 1448
Colombia 1449
Netherlands 1450
- combined, sewage, treatment, runoff water, effects 2083
- composting, pathogens, reduction, Tunisia 1467
- control, *Legionella*, reviews 9
- Flexibacter flexis*, isolation, *Oscillatoria williamsii*, lysis, Kuwait 2526
- Flexibacter sancti*, isolation, *Oscillatoria williamsii*, lysis, Kuwait 2526
- groundwater, organic compounds, removal, activated sludge 1560
- management, books 2604
- methane production
anaerobic digestion, two-phase, assessment 2148
- bioreactors, anaerobic treatment, Japan 1447
- nitritification
activated sludge, biological filtration, USA 1086
- advanced treatment, economics 2392
- denitrification, biological filtration, treatment, parameters, Sweden 1704
- nitrogen
removal
activated sludge
anaerobic conditions, aerobic conditions 1478
control, instrumentation, Sweden 1474
- biological filtration 902
- biological treatment, Norway 2389
- bioreactors, Sweden 489
- EC regulations, reviews 2491
- Netherlands, reviews 2385
- nitrous oxide, generation, activated sludge 1706
- nutrients, removal, ponds 2146
- pathogens, transmission, fish, ponds, aquaculture 1854
- Sewage cont.**
phosphorus removal
activated sludge
aerobic conditions, microorganisms, growth, mathematical models 2413
- control, instrumentation, Sweden 1474
- anaerobic treatment, bioreactors 2407
- bioreactors, Sweden 489
- EC regulations, reviews 2491
- Netherlands, reviews 2385
- reservoirs, eutrophication, control, South Africa 1713
- pollution, water quality, rivers, biological indicators, faecal flora, USA 2015
- Psychoda alternata*, control, methoprene, controlled release, Japan 255
- Salmonellae*, enumeration 614
- sulfides, utilization, activated sludge, *Thiobacillus* 2545
- surfactants, biodegradation, *Pseudomonas putida* 1060
- treatment
activated sludge
aeration, respiration rate, estimation 2140
- conditioning, polyelectrolytes 2137
- performance
arid climate, United Arab Emirates 354
- USA 358
- aquatic plants, reviews 359
- bile pigments
biodegradation
activated sludge, detection, HPLC 1775
- septic tanks, detection, HPLC 1775
- biological filtration
mathematical models 2123
- water reuse, USA 344
- biological fixed-film systems, reviews 1434
- bioreactors, design 2098
- design
upgrading
nutrients, removal, lakes, eutrophication, control, UK 2490
- phosphates, removal, lakes, eutrophication, control, UK 2490
- lagoons, nitrogen, removal, biofilms, algae, bacteria 1708
- Malaysia 1779
- Malta, reviews 559
- nitrogen, removal, oxidation ditches, aeration, control, kinetic models 1710
- oxidation ditches, aeration, water 1497
- ponds
Alternanthera philoxeroides 2142
- bacteria, removal, Pakistan 1492
- Eichhornia crassipes* 2142
- faecal coliforms, removal 360
- pathogens, removal, Pakistan 1492
- rotating biological contactors, biofilms, development 1526
- sedimentation tanks, operation, mathematical models 2040
- sewage, combined, runoff water, effects 2083
- UK, glossaries 2605
- upgrading
faecal coliforms, removal, USA 2492
- sewage effluent disposal, rivers, water quality, improvement, USA 2492
- workers, bacteria, aerosols, airborne infection 2038
- Vibrio cholerae*, isolation 1994
- viruses, detection, removal, survival 827

- Sewage cont.**
 waste water
 aroclor, biodegradation, activated sludge 2305
 polychlorinated biphenyls, biodegradation, activated sludge 2305
 waste water treatment, Malta, reviews 559
 water pollution, indicator species, *Aeromonas caviae*, India 1377
- Sewage effluent**
 detergents, biodegradation, activated sludge 2333
 nitrification, bioreactors, moving beds 2396
 ponds, fish, microbial contamination, India 142
 recharge, aquifers, irrigation, Israel 2333
 recycling, recycling 2496
 secondary, phosphorus, removal, overland flow 1716
 tertiary treatment, reed beds 2143
 topsoil, composting 888
 water, contamination, viruses, USA 1549
- Sewage effluent disposal**
 agriculture, reviews, India 927
 management
 environmental impact 2496
 Turkey 856
 rivers, sulfate reducing bacteria, estimation, Korea Republic 587
 sewage, treatment, upgrading, rivers, water quality, improvement, USA 2492
 wetlands, bioremediation, sediment 2144
- Sewage sludge**
 aerobic, polymers, polyhydroxybutyrate, biodegradation 2292
 aerobic digestion, design, Canada 1433
 aerobic treatment
 bioreactors, design 2092
 South Africa, performance 2091
 temperature, models 2093
 anaerobic digesters
 capric acid, inhibition 1502
 fatty acids, inhibition 1502
 anaerobic digestion
 copper, bacterial leaching 2338
 organic matter, characterization, electrofocusing 1128
 zinc, bacterial leaching 2338
 anaerobic digestion + aerobic treatment, South Africa 2084
 animal manures
 biogas, production, bioreactors, design 394
 slurries, anaerobic digestion 919
 application to land
 crops, growth 932
 heavy metals, residual effects, microorganisms, biomass, soil 299
 pathogens
 reduction, anaerobic digestion, legislation, USA 2034
 reviews 651
 survival 933
 biodegradation, vermiculture 376
 biological treatment
 carbon dioxide, emissions, USA, New Hampshire 2135
 combustion 881
 methane, emissions, USA, New Hampshire 2135
 characteristics
 nitrification, waste water, bacteria 1705
 waste water treatment, nitrogen, phosphorus, removal, bacteria, filamentous, succession 1697
 chromates, removal, microbial flora 1778
 composting
 biochemistry 1776
 hydrolases 1130
 odour abatement, USA 894
 organic matter, characterization, electrofocusing 1128
 reviews 2113
 Russia 1782
 supply balance, USA 1465
 USA 891
- Sewage sludge cont.**
 composts, forest soils, application, environmental impact 560
 disinfection, Russia 1782
 fertilizers, forests, Canada, reviews 561
 heavy metals
 bacterial leaching 2354
 economic analysis 1676
 Thiobacillus 472
 mathematical models 473
 removal
 bacterial leaching 1070
 pathogens, destruction 2342
 Salmonella typhimurium, destruction 2342
 microorganisms 1072
 Thiobacillus 1072
 landfills, pathogens, reviews 651
 management, books 2604
 nitrates, removal, microbial flora 1778
 oxalates, removal, microbial flora 1778
 pathogens, legislation, USA 2039
 phosphates, removal, microbial flora 1778
 plant residues, trees, composting 2114
 primary, anaerobic digestion, volatile fatty acids, production, phosphorus removal, biological treatment, effects 1712
 proteins
 characterization 563
 extraction 564
 refuse, composting, USA 2121
 sulfates, removal, microbial flora 1778
 sulfur, oxidation, bacteria, adhesion 2364
 thiosulfates, removal, microbial flora 1778
 treatment, pathogens, removal, radiation, Thailand 1977
 wastes
 gardens
 composting, USA 2117
 composts, production, *Phaseolus vulgaris*, growth, USA 2118
Sewage treatment plants, environmental impact, cost benefit analysis 2037

Sewerage, biofilms, bacteria, microbial activities 2551
Sheep dung, anaerobic digestion, biogas, production 2479
Sheepmeat, biodeterioration, odours, *Penicillium frequentans* 1932
Shelf life
 coconut products
 preservation, microbial contamination 1293
 storage, microbial contamination 1293
Shellfish
 contamination
 Prorocentrum lima, food poisoning 1918
 Vibrio parahaemolyticus, India 1313
 viruses, environmental assessment, risk 748
 microbial contamination, marine pollution, coastal areas, USA 2033
 pathogens, France 146
Placopecten magellanicus, food poisoning, *Dinophysis norvegica*, toxins, Canada 1917
 poisoning, microorganisms, toxins, production, Japan 259
Salmonella
 enumeration 1920
 isolation 1920
Vibrio vulnificus, survival, temperature 2001
Shewanella putrefaciens
 hydrogen, oxidation, soil 2363
 membranes, cytochromes 1154
Ships, antifouling agents, paints, *Vibrio harveyi*, biofilms, control, evaluation 807
Shipwrecks, wood, biodeterioration, marine environment, Indian Ocean 1943
Shrimps
 microbial contamination
 control, glucose oxidase 144
 food hygiene, Senegal 1309
 food quality, Senegal 1309
 treatment, keeping quality 672

Sicily
 flours, contamination, *Bacillus cereus* 92
 grain crops, contamination, *Bacillus cereus* 92
Sieving, *Phaseolus vulgaris*, *Acanthoscelides obtectus*, control 1270

Silage
 fish, storage, microbial degradation 1773
 inoculation, lactic acid bacteria 1774
Listeria monocytogenes, identification, polymerase chain reaction 1834
 production
 aerobic conditions, mathematical models 1124
Lactobacillus plantarum, enzymes, genetic engineering 1125
 maize, lactic acid bacteria 1122
Medicago sativa, lactic acid bacteria 1122

Silage making
 agricultural byproducts, biodeterioration, control 538
 biomass, biodeterioration, control 538
 globe artichokes, wastes 1123
 salmon, carcasses, temperature 928

Silica, bacterial leaching, *Bacillus licheniformis* 1754

Simazine
 effects, straw, biodegradation, soil flora 420
 residues, biological activity in soil, effects, Armenia 467

Simulation models, methane production, nitrogen, anaerobic digesters 1523

Single cell protein
 production
 mussels, wastes, utilization, *Aspergillus oryzae* 2160
 nitrogen fertilizers, production, waste water, *Stichococcus bacillaris*, intermittent light 1059
 olive oil
 waste water utilization
 Candida krusei 937
 Saccharomyces chevalieri 937
 Saccharomyces rouxii 937
 organic wastes, upgrading 1532
 peas
 pods
 biodegradation
 Trichoderma reesei 942
 Trichoderma viride 942
 whey, utilization, *Kluyveromyces fragilis*, temperature 1540
 sources, feeds, reviews 939

Sitophilus oryzae
 control, wheat, plant extracts 102
 rice
 insect pests, Taiwan 99
 stored products pests, Taiwan 99

Sitophilus zeamais
 control, plant extracts, maize 95
 infestation, environmental factors, cereal grains, storage 290
 rice
 insect pests, Taiwan 99
 stored products pests, Taiwan 99
 stored products pests, maize, resistance, storage quality, breeding 705

Sitotroga cerealella
 rice
 insect pests, Taiwan 99
 storage, Taiwan 98
 stored products pests, Taiwan 99

Skeleton
 mineralized
 biodegradation
 bacteria
 marine environment
 aerobic conditions 2365
 anaerobic conditions 2365

Skim milk
Listeria monocytogenes
 growth
 control
 nisin 199
 pH 199
 milk hygiene, bacterial count, control, milk cooling, Italy 773

- Slaughterhouse waste**
 anaerobic treatment
 bioreactors
 bamboos, supports 2159
 supports, organic compounds 2478
 waste water, anaerobic treatment 334
- Slovakia**, cheeses, microbial flora 205
- Sludges**
 activated sludge, treatment, photoprocessing waste waters, anaerobic digestion, effects 2435
 anaerobic digestion, performance 1521
 anaerobic treatment, bioreactors, performance 1442
 azo compounds
 biodegradation
 aerobic digestion 2448
 anaerobic digestion 2448
 bacteria, granules, growth, glucose, utilization, anaerobic digestion 366
 biological treatment, conditioning, polyelectrolytes 2095
 bioreactors, anaerobic conditions, denitrifying microorganisms, bacteria, methane production, relationships 330
 conditioning, phosphorus, removal, biological treatment 2410
 granules, anaerobic digesters, bacteria, identification, transmission electron microscopy 854
 heavy metals
 removal
 bacterial leaching
 pathogens, destruction 2342
 Salmonella typhimurium, destruction 2342
 management, books 2604
 methane production, anaerobic treatment, toxic substances 2044
 primary, fatty acids, production, aerobic digestion 2097
 pulp and paper industry, conditioning, dewatering 2446
 removal, *Bacillus*, surfactants 1622
 wastes, gardens, composting, USA 2117
- Slurries**
 anaerobic digestion
 biogas, production, Germany 388
 environmental impact 392
 biogas
 production
 anaerobic digesters
 economics, Germany 389
 operation, economics, Germany 390
 anaerobic digestion, Germany 391
 economic analysis 393
 environmental impact 392
 nitrogen, losses, biological treatment 1761
- Smoked fish**
 microbial contamination
 Listeria monocytogenes
 processing 145
 storage 145
- Soaps**, microbial contamination 1338
- Sodium**, uptake, *Westiellopsis prolifica* 1803
- Sodium anthraquinone-2-sulfonate**, biodegradation, activated sludge, bioreactors, design 908
- Sodium benzoate**
 jams
 Aspergillus ochraceus, control 1915
 Penicillium italicum, control 1915
- Sodium bisulfite**
 feeds, mycotoxins 65
 foods, mycotoxins 65
- Sodium chloride**
 control, lactic acid bacteria, meat, biodegradation, pathogens, India 1972
 foods, *Listeria*, inhibition 821
- Soft drinks**
 microbial contamination, control, legislation, Italy 726
 waste water treatment, anaerobic digestion 1723
- Softwoods**
 Coleoptera, control, wood preservation 219
 insect pests, control, wood preservation 219
- Soil**
 aromatic hydrocarbons
 biodegradation, microorganisms, biomass, limitations 2286
 Germany 1015
 sludges, pulp mills, biodegradation 2441
 atrazine, biodegradation, microorganisms 1054
 bog soils
 methane production
 boreal forests 1579
 tundra 1579
 butylate, biodegradation, microorganisms 1054
 carbofuran, biodegradation, microorganisms, France 1047
 chlorinated hydrocarbons
 Germany 1015
 sludges, pulp mills, biodegradation 2441
 chlorpyrifos, biodegradation 465
 contamination
 aromatic hydrocarbons, bioremediation, nitrogen fixing bacteria 959
 fuel oils, bioremediation 1420
 petroleum, bioremediation, pulverization 315
 petroleum hydrocarbons, bioremediation, mathematical models 861
 phenols, bioremediation, nitrogen fixing bacteria 959
 denitrification, meatworks effluent, irrigation 369
 diesel oil, biodegradation, microbial flora, bioremediation, groundwater level 1003
 dyes, adsorption, *Aeromonas* 2449
 emulsions, oil, biodegradation 2262
 ethylfluoralfin, biodegradation, microorganisms 1054
 hydrocarbons, bioremediation 1016
 insecticides, biodegradation 1048
 linuron, biodegradation, microorganisms 1054
 metolachlor, biodegradation, microorganisms 1054
 metribuzin, biodegradation, microorganisms 1054
 microbial activities, reviews 314
 microbial flora, glucose, biodegradation, Brazil 1571
 paper, coatings, plastics, biodegradation 1024
 pathogens, survival, reviews 2020
 phosphate solubilizing bacteria, reviews 2408
 phosphates, solubilization, fungi, reviews 2408
 pollution, bacterial toxins, *Clostridium botulinum*, Japan 53
 polyethylene, biodegradation 1024
 polyhydroxyalkanoate, biodegradation, bacteria 2368
 polypropylenes, biodegradation 1024
 poly(vinyl chloride), biodegradation 1024
Salmonella, survival 838
Sphingomonas paucimobilis, lindane, biodegradation 1049
 subsurface, ethylene glycol, biodegradation 2240
 trifluralin, biodegradation, microorganisms 1054
- Soil bacteria**
 enumeration
 computer analysis 1192
 computer software 1192
 polysaccharides, biodegradation 590
- Soil degradation**, bioremediation, legumes, nitrogen fixation 1421
- Soil fauna**, microorganisms, lignin, biodegradation, interactions 1001
- Soil flora**, straw, biodegradation, herbicides, effects 420
- Soil pollution**
 bioremediation, monitoring 866
 heavy metals, biological activity in soil, effects 298
 organic compounds, biodegradation, microorganisms 2290
 petroleum hydrocarbons, bioremediation, reviews 1418
- Soil properties**
 improvement
 refuse, vermicomposting, application to land, Brazil 339
 wastes, vermicomposting, application to land, Brazil 339
- Soil types**, tundra soils, methanobacteriaceae, Russia 1145
- Soil types (chemical)**, acid soils, nitrification, microorganisms, Australia 497
- Soil types (lithological)**
 atrazine
 biodegradation
 Japan 1052
 Thailand 1052
- Solar**, utilization, fungi, soil 2269
- Solar radiation**, energy sources, microorganisms, photosynthesis 1531
- Solid wastes**
 composting, reviews, Netherlands 1126
 production, composting, animal wastes, separation 543
- Solvents**
 biodegradation, microbial flora, determination, respirometry 2362
 chlorinated
 biodegradation
 environment
 aerobic conditions 2071
 anaerobic conditions 2071
 groundwater, bioremediation, aeration, bioventing 2069
 environment, bioremediation, anaerobic conditions, reviews 2056
Coriolus versicolor, laccase, lignin, biodegradation 1599
 polluted soils, bioremediation 2065
 polluted water, bioremediation 2065
 production
 Clostridium acetobutylicum, enzymes, genetic engineering 969
 hexoses, utilization, microorganisms, reviews 1582
 pentoses, utilization, microorganisms, reviews 1582
- Sorbic acid**
 pickled cheese
 Listeria monocytogenes, control 783
 Salmonella typhimurium, control 783
 Staphylococcus aureus, control 783
 resistance, fruit drinks, yeasts 1281
- Sorghum**
 anaerobic digestion, methane production, kinetics 1587
 malting
 Aspergillus, enzymes 1139
 Bacillus, enzymes 1139
 stored products pests, *Corcyra cephalonica* 709
 tannins, biodegradation, *Penicillium* 2215
- Sorghum stalks**
 fermentation
 ethanol production
 Fusarium oxysporum 2179
 Saccharomyces cerevisiae 2179
- Sorption**
Bacillus subtilis, plasmids, DNA, minerals, aquifers 1140
 cadmium, *Trichoderma harzianum* 481
 heavy metals, bank filtration, anaerobic treatment, nitrilotriacetic acid 1751
 mercury, *Trichoderma harzianum* 481
 zinc, *Trichoderma harzianum* 481
- South Africa**
 biogas, production, refuse 947
 dairy effluent, waste disposal 2424
 lakes
 faecal coliforms 2017
 water quality 2017
 meat products, *Listeria* 170
 poles, biodegradation, soil, fungi, control, polyethylene, barriers 1339

- South Africa** cont.
- raisins
 - stored products pests
 - Coleoptera 135
 - insects 135
 - reservoirs
 - eutrophication
 - control
 - phosphorus removal
 - sewage 1713
 - waste water 1713
 - sewage sludge
 - aerobic treatment, performance 2091
 - anaerobic digestion + aerobic treatment 2084
 - water systems, steel, microbial corrosion, control, concrete, utilization 805
 - yeasts, foods, identification, fatty acids, profiles 1882
- Soyabeans**, storage decay, *Aspergillus flavus*, biological control, *Pichia guillermontii* 712
- Spain**
- Bilbao, biogas, landfills, electricity, production 950
 - Catalonia, frozen foods, food microbiology, assessment 6
 - activated sludge, clarifiers, analysis, mathematical models 2136
 - apples, storage decay, *Penicillium*, fungicide tolerance, imazalil 829
 - drinking water, microbial contamination, control, disinfection, chlorine 662
 - foods, preparation, food hygiene 1860
 - meat hygiene, microbial contamination, monitoring 1862
 - milk
 - aflatoxins 195
 - fungi 195 - organic matter, biodegradation, sea water 1696
 - sea water, nutrients 1696
 - waste water treatment, population change 529
 - water supplies, microbial contamination, control, disinfection, chlorine 662
- Spawn**, production, oil palms, fibres, utilization 1175
- Species**, fungi, enumeration, culture media 1279
- Sphalerite**, pyrites, bacterial leaching, *Thiobacillus ferrooxidans* 2380
- Sphingomonas**, dibenzofuran, biodegradation 2316
- Sphingomonas paucimobilis**, soil, lindane, biodegradation 1049
- Spices**
- antibacterial agents, *Listeria monocytogenes* 1986
 - microbial contamination, control 720
- Spirodela**
- chromium, removal, waste water 2359
 - heavy metals, removal, waste water 2359
 - nickel, removal, waste water 2359
 - sewage, treatment, reviews 359
 - waste water treatment, reviews 359
- Spiroplasma**, enzyme activity, detection 1828
- Spirulina maxima**
- pig manure
 - feeds, production 1120
 - nutrients, removal 1120
 - polyhydroxybutyrate, production 2515
- Spirulina platensis**, biomass, recovery, flocculation, polymers, cations 565
- Spoilage**
- fruit, reviews 1916
 - fruit crops, reviews 1916
 - hazelnuts, fungi, Turkey 1276
 - starch, sucrose, *Aspergillus* 1658
 - vegetables, reviews 1916
- Sporeforming bacteria**, cultured milks, India 176
- Sporobolomyces**, growth, paint, films, resistance, assessment 1345
- Sporobolomyces roseus**
- apples
 - storage decay
 - Botrytis cinerea*, control 1292
- Sporobolomyces roseus** cont.
- apples cont.
 - storage decay cont.
 - Penicillium expansum*, control 1292
- Sporobolomyces salmonicolor**, ethanol production, levoglucosan, wood tar 1611
- Sporotrichum pruinosum** (see *Phanerochaete chrysosporium*)
- Sporotrichum pulverulentum** (see *Phanerochaete chrysosporium*)
- Sporotrichum thermophilum** (see *Myeliophthora thermophila*)
- Stain fungi**, wood, monitoring, growth 1944
- Stainless steel**
- bacteria, adhesion, disinfection, chlorine, bacterial count 801
 - biofilms, adhesion, disinfection, chlorine, bacterial count 801
 - biofouling, biofilms, biomass, estimation 2578
- Standards**
- materials, biodegradation, USA 1850
 - oil spills, biodegradation, environment 1005
 - water quality, microbiology, books 646
 - water reuse, health hazards, USA 1750
 - wood preservation, wood destroying fungi, control, Canada 230
- Staphylococci**, polyhydroxybutyrate, production 2513
- Staphylococcus**
- curd, microbial contamination, India 209
 - enterotoxins
 - foods, detection 679
 - milk, detection 1185 - milk products, microbial contamination, Croatia 191
- Staphylococcus aureus**
- antibacterial agents, heterocyclic compounds 1354
 - bacterial toxins, food poisoning 1210
 - bacteriocins, genetic engineering 268
 - buffalo milk, identification, rapid methods 1331
 - cheeses, detection, USA 1332
 - control
 - milk, lactoperoxidase system 197
 - pickled cheese
 - hydrogen peroxide 783
 - nisin 783
 - sorbic acid 783 - detection, biosensors 2584
 - enterotoxins
 - food products, contamination 50
 - milk, contamination 50
 - production 681
 - cheeses, contamination, Iraq 1892
 - detection, China 44
 - meat products, contamination, Iraq 1892
 - milk products, contamination, Iraq 1892
 - wastes, hospitals, Iraq 1892 - enzymes 1984
 - food poisoning, enterotoxins, detection, Cuba 1258
 - inhibition, glycine, derivatives, antibacterial properties 825
 - meat products, *Micrococcaceae*, antagonism 1933
 - olives, inhibition 1351
 - poultry meat, enterotoxins 769
 - sausages, Italy 1926
 - α -toxin, production 1256
 - toxins, inhibition, bacteriophages 269
 - virulence 1984
 - cattle, mastitis 273
- Staphylococcus epidermidis**, plastics, adhesion 977
- Starch**
- amylase, production, *Bacillus subtilis*, polyethylene glycol 1044
 - biodegradation
 - bacteria, enzymes 1045
 - biofilms, analysis 2088
 - glucan 1,4- α -glucosidase
 - Aspergillus niger*, production 2312
 - Rhizopus*, production 2312
 - plastics 453
- Starch** cont.
- ethanol production, contamination, control, food additives, natural 1727
 - hydrolysis
 - amylases, production, *Aspergillus niger* 460
 - enzymes
 - production
 - Clostridium thermosaccharolyticum* 1043
 - Thermoanaerobacter finni* 1043 - microbial contamination, disinfection, ethylene dioxide 1367
 - sucrose, spoilage, *Aspergillus* 1658
 - Trichodrema longibrachiatum*, β -glucosidase, production 1816
 - utilization
 - chemicals, production, reviews 2188
 - Escherichia coli*, amylases, genetic engineering 1041
 - ethanol, *Aspergillus awamori*, *Zymomonas mobilis*, immobilization 461
 - ethanol production, reviews 2188
 - fuels, production, reviews 2188
 - production, *Aspergillus awamori*, *Zymomonas mobilis*, immobilization 461
 - Schwanniomyces castellii*, growth, environmental factors 1042
 - Streptomyces akiyoshensis*, 5-hydroxy-4-oxonorvalien, production 1809
 - Talaromyces emersonii*, amylases, genetic engineering 1041
 - thermoplastics, biodegradable, production, reviews 2313

Starters

 - Lactobacillus*, fermented foods, sausages 1319
 - Micrococcus*, fermented foods, sausages 1319
 - Pediococcus*, fermented foods, sausages 1319

Statistical analysis

 - discriminant analysis
 - butter, *Yarrowia lipolytica*, characteristics 1215
 - poultry meat, *Yarrowia lipolytica*, characteristics 1215
 - prepared foods, *Yarrowia lipolytica*, characteristics 1215
 - water, *Yarrowia lipolytica*, characteristics 1215

Steam sterilization, abattoirs, bacterial count, Italy 1978

Steel

 - corrosion, biofilms, sulfate reducing bacteria 232
 - water systems, microbial corrosion, control, concrete, utilization, South Africa 805

Steel mills, water systems, cleaning, microbial contamination, health hazards 2474

Sterilization

 - dairy factories, microbial contamination, reviews 514
 - detergents, ewe milk, milking machines, microbial contamination 200
 - Escherichia coli*
 - pressure 813
 - temperature 813 - milk, microbial contamination 189
 - whey, microbial contamination 189

Sterols

 - biodegradation
 - Arthrobacter oxydans*, plasmids 1562
 - Rhodococcus* 395

Stichococcus bacillaris, single cell protein, production, nitrogen fertilizers, production, waste water, intermittent light 1059

Stonework

 - calcium oxalate, patinas, microorganisms 1962
 - fungi, calcium oxalate, reviews 1958
 - lichens
 - Italy 2006
 - reviews 2007

- Stonework cont.**
microbial corrosion, reviews 233
- Storage**
beef, vacuum packaging, keeping quality, Saudi Arabia 759
cereal grains
contamination
 vomitoxin 94
 zearelenone 94
insect pests, reviews 289
Sitophilus zeamais, infestation, environmental factors 290
stored products pests, reviews 289
cheeses, *Yersinia enterocolitica*, survival 1384
coconut products, shelf life, microbial contamination 1293
cowpeas, pods, resistance, *Callosobruchus maculatus*, oviposition 1905
eggs, *Salmonella enteritidis*, growth 1327
milk products, *Listeria monocytogenes*, survival 1336
pickling, domesti cheese, *Listeria monocytogenes*, growth, survival 206
rice
 seedborne fungi
 control
 plant extracts
 antibacterial properties 101
 antifungal properties 101
 seedborne organisms
 control
 plant extracts
 antibacterial properties 101
 antifungal properties 101
silage, fish, microbial degradation 1773
sugarcane bagasse, *Thermoactinomyces sacchari*, moisture content 1732
wood chips
 biodegradation
 fungi 214
 microorganisms 214
yoghurt, *Listeria monocytogenes*, survival 1336
- Storage decay**
apples
 Botrytis cinerea
 Candida sake, antagonism 127
 Candida tenuis, antagonism 127
 control, *Sporobolomyces roseus* 1292
 fungi, packing, control 733
 Mucor piriformis, Italy 732
 Penicillium, fungicide tolerance, imazalil, Spain 829
 Penicillium expansum
 Candida sake, antagonism 127
 Candida tenuis, antagonism 127
 control
 heat treatment, calcium chloride 1290
 Sporobolomyces roseus 1292
 Capsicum, *Erwinia carotovora*, temperature 134
celery
 Botrytis cinerea
 control
 iprodione, Israel 1304
 thiabendazole, Israel 1304
 Sclerotinia sclerotiorum
 control
 iprodione, Israel 1304
 thiabendazole, Israel 1304
cereals
 mycotoxins
 production
 Aspergillus
 thiophanate-methyl, control 819
 thiram, control 819
 control
 apples, *Penicillium expansum*, removal, water, filters 126
 cereal grains 38
 containers, rice, India 100
 kiwifruits, 2-phenylphenol 737
 melons, hot water treatment 740
 pears, *Penicillium expansum*, removal, water, filters 126
 pummelos × grapefruits 128
- Storage decay cont.**
cucumbers, India 133
grain legumes
seeds
 Aspergillus
 control
 flavones 1306
 isoflavones 1306
 Penicillium
 control
 flavones 1306
 isoflavones 1306
kiwifruits, *Mucor piriformis*, Italy 732
Limonium peregrinum, *Botrytis cinerea* 744
maize
 Aspergillus
 control
 iprodione 1268-1269
 thiabendazole 1269
 Penicillium
 control
 iprodione 1268-1269
 thiabendazole 1269
melons, *Epicoccum nigrum* 739
pears
 harvesting date 120
 Mucor piriformis, Italy 732
Penicillium expansum, apples, control, heat treatment, calcium chloride 1290
pineapples, *Penicillium* 736
pome fruits
 Penicillium expansum
 imazalil, tolerance, Australia 1291
 iprodione, tolerance, Australia 1291
 Penicillium solitum
 imazalil, tolerance, Australia 1291
 iprodione, tolerance, Australia 1291
potatoes
 cellulase, production, *Rhizopus oryzae* 139
 Colletotrichum coccodes, environmental factors 138
 Helminthosporium solani
 control
 imazalil 1301
 thiabendazole 1301
 environmental factors 138
 Polyscytalum pustulans
 control
 imazalil 1301
 thiabendazole 1301
 Rhizopus oryzae, enzymes, production 139
quinces, India 125
raspberries, reviews 132
soyabeans, *Aspergillus flavus*, biological control, *Pichia guilliermondii* 712
sugarbeet, biological control, Japan 103
triticale, grain, seedborne fungi 711
- Stored products, insect pests, control, reviews 1393**
- Stored products pests**
cereal grains
 contamination, control, fumigation 697
 laboratory tests, population dynamics 698
 storage, reviews 289
control
 cereal grains, Greece 90
 irradiation
 beans, reviews 249
 cereal grains, reviews 249
 copra, reviews 249
 dates, reviews 249
 grain legumes, reviews 249
 oilseeds, reviews 249
 tobacco, reviews 249
 maize, tralomethrin 85
 microwave radiation 86
 plant extracts, maize 95
 wheat, tralomethrin 85
grain legumes
 Callosobruchus maculatus 699
 laboratory tests, population dynamics 698
- Stored products pests cont.**
groundnuts
 Callosobruchus subinnotatus, controlled atmospheres, inert gases 1973
 resistance 716
insects, cereal grains, USSR, control 253
pear millet, pest resistance 710
raisins
 Coleoptera, South Africa 135
 insects, South Africa 135
rice
 storage, Taiwan 98
 Taiwan 99
Sitophilus zeamais, maize, resistance, storage quality, breeding 705
sorghum, *Corypha cephalonica* 709
wheat, detection, infrared spectroscopy 1394
- Stormwater**, microbial contamination, disinfection 2031
- Straw**
biodegradation, soil flora, herbicides, effects 420
bulking, poultry manure, composting, aeration 893
pig slurry, biodegradation, ammonia, control, zeolites 338
utilization
 acid mine drainage, biological treatment 1115
 Pleurotus sajor-caju, growth 424
- Strawberries**, freezing, *Saccharomyces cerevisiae*, inactivation 1359
- Streptococcaceae**, identification 629
- Streptococcus**
foods, contamination, identification 2000
pigs, carcasses 168
taxonomy 2000
- Streptococcus diacetilactis**, wines, contamination 1911
- Streptococcus faecalis**
bacteriocins, inhibition, of *Listeria monocytogenes* 837
benzoylformic acid, reduction 964
milk, bacteriocins 837
- Streptococcus faecium**, waste water, disinfection 1368
- Streptococcus pyogenes**, curd, microbial contamination, India 209
- Streptomyces**
coal, solubilization, reviews 2466
enzyme activity, control, feeds, poultry, microbial contamination, irradiation, Egypt 82
xyilan, biodegradation, enzyme activity 2555
- Streptomyces akiyoshiensis**
casein, utilization, 5-hydroxy-4-oxo-norvalien, production 1809
starch, utilization, 5-hydroxy-4-oxo-norvalien, production 1809
- Streptomyces avermitilis**, ammonium, assimilation 1164
- Streptomyces fradiae**, keratin, biodegradation, proteinases 1812
- Streptomyces griseofuscus**
geosmin, production, temperature 277
2-methylisoborneol, production, temperature 277
- Streptomyces kanamyceticus**, kanamycin, biosynthesis, proxanol 1796
- Streptomyces kurssanovii**, enzymes, chitosan, biodegradation 594
- Streptomyces resistomyciticus**
geosmin, production, temperature 277
2-methylisoborneol, production, temperature 277
- Streptomyces reticuli**, cellulase, genetics 586
- Streptomyces rochei**, pulp mill effluent, phenolic compounds, biodegradation 1029
- Streptomyces viridosporus**, wheat straw, biodegradation, environmental factors 414
- Stromaeus cinereus**, treatment, keeping quality 712
- Structure activity relationships**
chemicals, biodegradation, estimation, data analysis, USA 1406

- Structure activity relationships cont.**
determination
electron microscopy
bacterial toxins, gram negative bacteria, reviews 1259
endotoxins, gram negative bacteria, reviews 1259
toxic substances, biodegradation, estimation, data analysis, USA 1406
- Styrene**, biodegradation, fungi, enrichment 1642
- Substrates**
biodegradation
dynamics, anaerobic treatment, bioreactors, mathematical models 335
microorganisms, growth, reviews 2228
denitrification, *Pseudomonas*, temperature 1798
utilization, activated sludge, microbial flora 905
- Sucrose**
ethanol production, *Zymomonas mobilis* 2428
starch, spoilage, *Aspergillus* 1658
utilization
erythritol, production, *Trichosporonoides* 1548
trehalulose, production, *Agrobacterium radiobacter* 1787
- Sugar**, production, cellulose, biodegradation, fungi 1585
- Sugar factory waste**, anaerobic treatment, technology 517
- Sugarbeet**
fermentation, *Zymomonas mobilis*, methodology, byproducts 1101
storage decay, biological control, Japan 103
upgrading, proteins, production, *Candida tropicalis* 373
- Sugarbeet juice**
contamination, *Leuconostoc*, glutaraldehyde, control 715
fermentation
ethanol production
Saccharomyces uvarum 377
Zymomonas mobilis 377
- Sugarcane**, straw, utilization, proteins, production, *Pleurotus ostreatus* 2256
- Sugarcane bagasse**
anaerobic digestion, methane production, pretreatment 2260
biological treatment, wood destroying fungi 2426
composting, gases 895
fermentation
lignin
biodegradation
bioreactors
Pleurotus cornucopiae 1733
Pleurotus florida 1733
storage, *Thermoactinomyces sacchari*, moisture content 1732
upgrading, feeds 2167
utilization, fungi, proteins, production 2167
- Sugarcane byproducts**, molasses, upgrading, xanthan, gums, production, *Xanthomonas campestris* 2429
- Sugars**, antimicrobial properties 247
- Sulcatol**, production, *Rhizopus arrhizus* 1569
- Sulfate pulping**, lignin, biodegradation, peroxides 2436
- Sulfate reducing bacteria**
biofilms, steel, corrosion 232
characterization, trichloroethylene, biodegradation 2543
Methanobacteriaceae, competition, sulfates, anaerobic treatment 885
organic matter, lactate, biodegradation, fluidized beds, anaerobic conditions 2497
sewage effluent disposal, rivers, estimation, Korea Republic 587
waste disposal, rivers, estimation, Korea Republic 587
waste water, anaerobic treatment 886
- Sulfate reducing bacteria cont.**
water systems, industrial, detection, culture media 1190
- Sulfates**
anaerobic treatment, sulfate reducing bacteria, Methanobacteriaceae, competition 885
liming, mobilization, soil, microorganisms 488
reduction
anaerobic digesters
molybdates, inhibition 1508
transition metals, inhibition 1508
kraft mill effluent, thermomechanical pulping, biological fixed-film systems, anaerobic treatment, bioreactors 1744
removal
sewage sludge, microbial flora 1778
waste water, anaerobic treatment, bioreactors, bacteria, competition 1452
waste water treatment, anaerobic digestion, pH 918
- Sulfides**
bacterial leaching
Leptospirillum, reviews 487
Thiobacillus, reviews 487
biodegradation, reviews 486
generation, copper, removal, anaerobic digestion 1067
minerals
bacterial leaching, *Thiobacillus ferrooxidans* 1083
surfaces, bacterial leaching, effects 479
production, microbial flora, effects, ponds, sewage, treatment 1496
utilization, sewage, activated sludge, *Thiothrix* 2545
- Sulfite liquor**
Aspergillus fumigatus, growth 1741
biodegradation
Aspergillus
growth 1740
kinetics 1740
proteins, production, temperature 1739
Lactobacillus brevis, enzyme activity 1797
- Sulfites**, reduction, kraft mill effluent, thermomechanical pulping, biological fixed-film systems, anaerobic treatment, bioreactors 1744
- Sulfonated aromatic hydrocarbons**, mineralization, *Pseudomonas* 1581
- Sulfur**
biodegradation
bacteria, isolation 484
genetically engineered microorganisms 1840
oxidation
inhibition, *Thiobacillus ferrooxidans* 1083
kinetics, *Thiobacillus ferrooxidans* 485
sewage sludge, bacteria, adhesion 2364
Thiobacillus neapolitanus, scanning electron microscopy 615
photoprocessing waste waters, activated sludge, effects, USA 2434
production
Bacillus schlegelii 1074
Hydrogenobacter 1074
reduction
gram positive bacteria, aerobic conditions 1695
yeasts, aerobic conditions 1695
removal
coal
microorganisms 2472
bioreactors, coal mine spoil 2460
petroleum hydrocarbons, bacteria 522
waste water treatment, sulfur oxidizing bacteria, bioreactors, design 1692
uptake, benzene, tolerance, *Bacillus*, marine environment, Japan 2374
- Sulfur dioxide**
wines
Lactobacillus, survival 723
Leuconostoc oenos, survival 723
- Sulfur oxidizing bacteria**, waste water treatment, sulfur, removal, bioreactors, design 1692
- Sulfuric acid**
production
microorganisms, refuse, waste disposal 2166
pyrites, oxidation, soil, landfills, *Thiobacillus ferrooxidans* 2166
- Supermarkets**
foods, contamination, *Salmonella*, Mexico 656
pest control 35
- Supply balance**
agricultural wastes, composting, USA 1465
refuse, composting, USA 1465
sewage sludge, composting, USA 1465
- Surface water**
Campylobacter, Norway 266
Giardia lamblia
disinfection 1752
legislation 1752
pollution, bacterial toxins, *Clostridium botulinum*, Japan 53
Yersinia, Norway 266
- Surfaces**
aquatic environment, biofouling, bacteria, adhesion, suppression, Russia 1965
metals, microbial corrosion, animal housing 1961
- Surfactants**
activated sludge, oxygen, uptake 351
anaerobic digestion
cattle dung, methane production 2193
poultry manure, methane production 2193
whey, methane production 2193
biodegradation, sewage, *Pseudomonas putida* 1060
biosurfactants, production, wastes, reviews 2329
effects, aromatic hydrocarbons, biodegradation, polluted soils 1002
production
Bacillus subtilis, genetic engineering 1144
Candida antartica 1174
Klebsiella oxytoca 1804
petroleum hydrocarbons
biodegradation, bacteria, marine environment 2263
utilization, *Bacillus* 1622
Pseudomonas aeruginosa, hydrocarbons, soil, removal 2331
triacylglycerol lipase, *Candida* 1173
utilization, microorganisms, reviews 957
- Surgical instruments**, sterilization, microwave radiation 804
- Suspended solids**
removal
waste water
ponds
fish 1482
protozoa 1482
- Sweden**
Bjuv, sewage, nitrification, denitrification, biological filtration, treatment, parameters 1704
Borlänge, landfill leachates, aerobic treatment, bioreactors 371
Bromma, nitrification, activated sludge, assessment, oxygen 1702
Klagshamn
nitrogen, removal, sewage, activated sludge, control, instrumentation 1474
phosphorus, removal, sewage, activated sludge, control, instrumentation 1474
Norrköping, nitrification, activated sludge, oxygen, application 492
Särdals
nitrogen, removal, sewage, bioreactors 489

Sweden cont.

Sárdals cont.
phosphorus, removal, sewage, bioreactors 489
food poisoning 11
kraft mill effluent, anaerobic treatment, biological fixed-film systems, microbial flora 1747
phosphorus, transfer, *Gloeotrichia echinulata*, sediment 2399
refuse, composts, chemical properties 2115
wood, panels, coatings 223

Swine vesicular disease virus, survival, ham, transport, Spain 1211

Switzerland

cattle manure, biodegradation, biogas, production, anaerobic digesters 1516
domestic gardens, plant residues, biodegradation, biogas, production, anaerobic digesters 1516
fruit, biodegradation, biogas, production, anaerobic digestion 1516
microbial activities, lakes 846
poultry meat, contamination, *Salmonella* 767
vegetables, biodegradation, biogas, production, anaerobic digestion 1516
wood preservation 225

Syntrophobacter wolini, cattle dung, propionate, biodegradation, isolation 2525

Syntrophomonas wolfei, fatty acids, biodegradation, polyhydroxyalkanoate, production 2310

Syrups

Annona muricata, microbial contamination, yeasts, Puerto Rico 1280
cream, microbial contamination, yeasts, Puerto Rico 1280
sesame, microbial contamination, yeasts, Puerto Rico 1280

Tamarindus indica, microbial contamination, yeasts, Puerto Rico 1280

Taiwan

foods, contamination, listeriolysin, production, *Listeria monocytogenes*, genetics 1852
Fusarium, mycotoxins 692

piggery effluent, biological treatment, activated sludge, aeration, continuous, intermittent, comparisons 1771

rice

insect pests 99
storage
 insect pests 98
 stored products pests 98
 stored products pests 99
wood destroying fungi, timbers, resistance 228

Talaromyces, petroleum hydrocarbons, biodegradation, Indonesia 596

Talaromyces emersonii, amylases, starch, utilization, genetic engineering 1041

Talaromyces flavus, grape juice, heat resistance 1285

Talaromyces trachyspermus, control, heat treatment, fruit juices, contamination 727

Tamarindus indica, syrups, microbial contamination, yeasts, Puerto Rico 1280

Tannery waste, waste water treatment, anaerobic treatment, activated sludge, India 528

Taxodium ascendens

cadmium, removal, wetlands, artificial 1498
zinc, removal, wetlands, artificial 1498

Taxonomy

carbon monoxide
utilization
 Actinomycetales
 composts 2556
 soil 2556

Tea

Neosartoryaprimulina, new species, Japan 278
phenolic compounds, antibacterial properties 818

Techniques

analysis
 activated sludge, granules 355
 apple juice, patulin 112
 gas chromatography, mass spectrometry, petroleum hydrocarbons, biodegradation, bioremediation 2267
 glucose, biodegradation, biofilms 2088
 hplc, *Dinophysis sacculus*, blooms, toxins, marine environment, France 2009
 sampling, groundwater, microbial contamination 2024
 sardines, keeping quality 1308
 starch, biodegradation, biofilms 2088
 volatile fatty acids, determination, waste water, anaerobic treatment 1409
analytical methods, monitoring, waste water treatment, activated sludge 1471
application, organic matter, determination, water distribution, *Pseudomonas fluorescens* 1866
assays
 bioreactors, *Acetobacter*, mathematical models 589
 chemicals, biodegradation 304
 Escherichia coli, enzymes, foods, selenium, determination 48
 fungi, antifungal agents 1390
 iron, reduction, *Listeria* 1674
 nitrates, *Pseudomonas aeruginosa* 628
 Phanerochaete chrysosporium, enzyme activity, biochemistry 1176
standardization
 feeds, mycotoxins 61
 foods, mycotoxins 61
assessment
 aldicarb, biodeterioration, soils 1046
 beef, carcasses, meat hygiene 756
 carbofuran, biodeterioration, soils 1046
 formaldehyde, antibacterial properties, *Pseudomonas aeruginosa* 1353
 frozen foods, food microbiology, Spain 6
 isothiazolin, antibacterial properties, *Pseudomonas aeruginosa* 1353
 oxygen, nitrification, activated sludge, Sweden 1702
 paint, films, resistance, yeasts, growth 1345
 polluted soils, bioremediation 864
 polycaprolactone, biodegradation, activated sludge 2293
 water reuse, viral diseases, USA 1549
bacterial count
 mineral waters, bottled, microbial contamination 1225
 stainless steel
 bacteria, adhesion, disinfection, chlorine 801
 biofilms, adhesion, disinfection, chlorine 801
 bacterial luminescence tests, toxicity, chemicals, aquatic environment, assessment 1837
bioassays
 drinking water
 disinfection
 chlorine, residues, mutagenicity 2042
 ozone, residues, mutagenicity 2042
 biochemical techniques
 coliform bacteria 1189
 groundwater, pollution, microorganisms 2025
 characteristics, *Phanerochaete chrysosporium*, enzymes 597
 characterization
 cellulose
 biodegradation
 Cellulomonas 435
 Clostridium 2529
 sewage sludge, proteins 563
Techniques cont.
characterization cont.
 trichloroethylene, biodegradation, bacteria, groundwater, USA, South Carolina 2541
classification
 drinking water, *Aeromonas* 625
 foods, *Aeromonas* 625
cloning, *Pseudomonas*, plasmids, paraquat, detoxification 620
continuous culture
 Methanococcus jannaschii
 methane production
 hydrogenase 1552
 proteinases 1552
culture media
 agricultural wastes, *Azospirillum lipoferum*, isolation, growth 621
 beef, packaging, poly(vinyl chloride), microbial contamination 753
 drinking water, *Aeromonas* 1868
cultures
 Campylobacter coli, Canada 616
 Campylobacter jejuni, Canada 616
detection
 antibodies, fungi 1251
 apple juice, yeasts 1835
 Aspergillus flavus, aflatoxins, production 693
 Aspergillus parasiticus, aflatoxins, production 693
assays
 endotoxins 1260
 enzymes 617
 bacteria, enzyme activity 1828
 bacteriophages 1180
 barley, fungi 1283
 beers, fungi 1283
 bioassays
 feeds, mycotoxins 660
 mycotoxins
 Aspergillus 689
 Penicillium 689
 biosensors, *Staphylococcus aureus* 2584
 Campylobacter
 water supply
 contamination
 dairy industry 27
 milk production 27
 cheeses
 coliform bacteria, USA 1332
 Escherichia coli, USA 1332
 Listeria 47
 Staphylococcus aureus, USA 1332
 culture media
 agar, comparisons, foods, contamination, *Campylobacter jejuni* 1254
 cereal grains, fungi 1266
 yeasts 1835
 cut flowers, *Botrytis cinerea*, monoclonal antibodies 1305
DNA probes
 chicken meat, contamination, *Campylobacter* 182
 Francisella 831
dried fruit
 fungi 1299
 yeasts 1299
dried milk, *Salmonella* 1187
drinking water
 bacteriophages 1178
 Salmonella 631
eggs, *Salmonella enteritidis* 181
ELISA
 aflatoxins, milk 1239
 Salmonella, foods 1239
enterotoxins, production, *Staphylococcus aureus*, China 44
Escherichia coli 2588
 water 2585
food poisoning, enterotoxins, *Staphylococcus aureus*, Cuba 1258
foods
 bacteria, flow cytometry 659
 bacterial toxins, ELISA 2577
 Brochothrix 1218
 Clostridium botulinum 46
 contamination, pathogens 190
 Escherichia coli, reviews 1831

- Techniques cont.**
detection cont.
 foods cont.
 fungi 1240, 1252
 guidelines 1841
 microorganisms 40
 moulds 1890
Mucorales, reviews 1250
Salmonella 39, 1886
 DNA probes 623
 fruit juices, fungi 1286
 fruit pulp, raspberries, thermophilic fungi, sample pretreatment 1289
 immunoassay, mycotoxins, reviews 685
 infrared spectroscopy, wheat, stored products pests 1394
 β -ketoadipic acid, phenols, degradation, *Rhodotorula rubra*, gas chromatography, mass spectrometry 1038
Listeria, monoclonal antibodies 2586
Listeria monocytogenes 839
 luminescence, food, microbial flora 1229
 malt, fungi 1283
 meat, *Bacillus* 1218
 milk, *Staphylococcus*, enterotoxins 1185
 milk products
 contamination, pathogens 190
 microbial contamination, bacteria 201
 monoclonal antibodies, *Listeria* 1888
 nuclear magnetic resonance, furfural, biodegradation, ethanol production, *Desulfovibrio furfuralis* 619
 polluted water, *Salmonella*, DNA probes 623
 polymerase chain react, *Escherichia coli*, water 2581
 polymerase chain reaction
 hepatitis E virus, waste water 2589
Listeria monocytogenes 2591
Salmonella typhi, culture media 1221
 sewage
 treatment
 bile pigments
 biodegradation
 activated sludge, HPLC 1775
 septic tanks, HPLC 1775
Spiroplasma, enzyme activity 1828
Staphylococcus, enterotoxins, foods 679
 sulfate reducing bacteria, water systems, industrial, culture media 1190
 waste water, bacteria, plasmids 580
 water, *Escherichia coli*, reviews 1831
 wines, *Pediococcus damnosus* 1284
 determination
 activated sludge, biomass, separation 907
 amino acids, microbial activities, heavy metals, inhibition, rivers, Germany 845
 ammonia, bioreactors 1833
 assays
 wood
 decay
Aspergillus versicolor 1948
Penicillium brevicompactum 1948
 barley, contamination, moulds 1878
 bioassays
 oysters, extracts, toxins 52
 toxins, water 618
 biochemical oxygen demand, sensors, microbial 1830
 composts, maturity, reviews 2108-2109
 efficiency
 cosmetics
Aspergillus niger, control, preservatives 798
- Techniques cont.**
determination cont.
efficiency cont.
 cosmetics cont.
Candida albicans, control, preservatives 798
 drugs
Aspergillus niger, control, preservatives 798
Candida albicans, control, preservatives 798
 ELISA, milk, contamination, aflatoxins 192, 1329
 feeds
 aflatoxins 1261
 contamination, *Vibrio*, proteinases, characteristics 647
 food hygiene, microbial contamination 1863
 fungi, enzyme activity 2041
Fusarium graminearum 281
 gene probes
 foods, *Listeria monocytogenes* 1887
 hepatitis B virus, waste water 661
 genetically engineered microorganisms, soil, reviews 271
 glutamine, bioreactors 1833
 lactic acid bacteria, morphology, sausages, biodeterioration 1320
 liquid chromatography, feeds, ergot alkaloids 677
Listeria innocua, growth, statistical analysis 1219
Listeria monocytogenes, growth, statistical analysis 1219
 methane production
 anaerobes, anaerobic digesters 1507
 anaerobic digestion 1520
 methanol, biodegradation, amino acids, production, *Methylobacter flagellatum* 946
 microscopy, wood destroying fungi 789
 milk
 aflatoxins 1261
 bacterial count 777
 contamination
 psychrotrophic bacteria, culture media 202
Vibrio, proteinases, characteristics 647
 milk products, aflatoxins 1261
 mutagenicity
 organic compounds, biodegradation 2219
 quinolines, biodegradation 2219
 nuclear magnetic resonance, polyhydroxyalkanoate, chemistry, bacteria 2580
 nuclear magnetic resonance spectroscopy, composts, maturity 2110
 nuclear magnetic resonance spectroscopy, pyruvic acid, metabolism, *Halobacterium salinarium* 1578
 organic compounds
 biodegradation
 anaerobes 1507
 standards 302
 peanuts, kernels, aflatoxins, hplc 1278
 polyhydroxyalkanoate, granules, structure, *Pseudomonas oleovorans* 2520
 polyhydroxybutyrate, granules, structure, bacteria 2519
 respirometry, solvents, biodegradation, microbial flora 2362
 sensors, bacteria, resistance, antibiotics 2572
 sewage
 biochemical oxygen demand 1408
 biodegradation, anaerobic treatment 1503
 waste water
 biochemical oxygen demand 1408
 biodegradation, anaerobic treatment 1503
 whey, bacterial count 786
- Techniques cont.**
detoxification
 feeds, aflatoxins 64
 milk, aflatoxins 64
differentiation
 cereal grains, *Alternaria* 1267
 foods, *Clostridium perfringens*, volatile fatty acids, production, enterotoxins, production 1374
 numerical taxonomy, bread, spoilage, *Bacillus* 1997
 DNA hybridization, milk products, microbial contamination, bacteria 201
 DNA probes
Listeria monocytogenes, gene mapping 2002
 milk products, microbial contamination, bacteria 201
electrofocusing
 sewage sludge
 anaerobic digestion, organic matter, characterization 1128
 composting, organic matter, characterization 1128
electron microscopy, *Clostridium perfringens*, azoreductase, synthesis 267
enumeration
 cellulolytic microorganisms, soil 1838
 comparisons
 cheeses, *Listeria* 41
 foods
 fungi 1241
 yeasts 1241
 milk products
 fungi 1241
 yeasts 1241
 culture media
Chrysosporium farinicola 1385
 flours, fungi 1238, 1272
 food, yeasts 1243
 foods, fungi, xerophytes 1249
 species, fungi 1279
Walleria sebi 1385
 dimethylsulfoniopropionate, biodegradation, bacteria, Caribbean Sea 570
drinking water
Aeromonas 1868
 coliform bacteria 1220
Escherichia coli 34, 1220
foods
 contamination
 coliform bacteria 1253
Escherichia coli 1253
Escherichia coli 676
 fungi 1242
Salmonella enteritidis, survival, temperature 1378
 yeasts, culture media 1880
 meat, *Escherichia coli* 676
 milk, fruit juices, *Escherichia coli* 673
 milk products, fungi 1242
 monoclonal antibodies, *Penicillium bilaii*, plants, soil 2574
Salmonella typhimurium 627
Salmonellae
 sewage 614
 waste water 614
 sample pretreatment
 cereal grains, fungi 1247
 cereal products, fungi 1247
 shellfish, *Salmonella* 1920
soil bacteria
 computer analysis 1192
 computer software 1192
 waste water, bacteriophages 626
enzyme immunoassay, poultry products, contamination, *Salmonella* 180
Escherichia coli, determination, faecal coliforms, coliforms, sea water 1865
estimation
 bacteria, aerosols 622
 beef, carcasses, microbial contamination 162
 cereal grains, trichothecenes 87
 dried milk, aflatoxins, ELISA, monoclonal antibodies 771

- Techniques cont.**
- estimation cont.**
- ELISA
 - groundnuts, contamination, aflatoxins 1275
 - nuts, contamination, aflatoxins 1275
 - feeds
 - aflatoxins, reviews 55
 - fumonisins, reviews 55
 - vomitoxin, reviews 55
 - zearalenone, reviews 55
 - foods
 - aflatoxins, reviews 55
 - fumonisins, reviews 55
 - vomitoxin, reviews 55
 - zearalenone, reviews 55
 - milk
 - bacterial count 42, 194
 - microbial flora 42
 - sampling, aflatoxins, groundnuts, contamination, USA 107
 - sewage effluent disposal, rivers, sulfate reducing bacteria, Korea Republic 587
 - stainless steel, biofouling, biofilms, biomass 2578
 - waste disposal, rivers, sulfate reducing bacteria, Korea Republic 587
 - evaluation
 - food processing, microbiology 45
 - ships, antifouling agents, paints, *Vibrio harveyi*, biofilms, control 807
 - vegetables, pickled, bacterial count 1184
 - examination, paintings, biodeterioration, insect pests 796
 - extraction
 - feeds, aflatoxins 696
 - sewage sludge, proteins 564
 - foods, surfaces, yeasts, separation 1881
 - identification
 - antigens, ELISA, foods, yeasts 1883
 - comparisons, *Listeria monocytogenes* 2576
 - Cryptosporidium*, water samples 2590
 - culture media
 - beers, yeasts 1246
 - fruit juices, yeasts 1246
 - wines, yeasts 1246
 - fatty acids, profiles, yeasts, foods, South Africa 1882
 - foods
 - contamination
 - Enterococcus* 2000
 - Streptococcus* 2000
 - Listeria* 1885
 - Neosartorya*, heat resistance 1386
 - yeasts 1244-1245, 1879
 - fruit, bacteria 118
 - Gram positive bacteria 630
 - immunodiagnosis, *Serpula lacrimans* 1832
 - lactic acid, fermentation, optimization, lactic acid bacteria 2421
 - Legionella* 1375
 - Neosartorya fischeri* 1388
 - peanuts, contamination, aflatoxins 1277
 - rapid methods, buffalo milk, *Staphylococcus aureus* 1331
 - salads, microbial contamination, coliform bacteria 1914
 - Salmonella* 1829
 - SDS-page, effluents, phosphates, removal, *Acinetobacter* 500
 - serotypes
 - bathing water, *Escherichia coli*, pathogens 663
 - drinking water, *Escherichia coli*, pathogens 663
 - silage, *Listeria monocytogenes*, polymerase chain reaction 1834
 - Techniques cont.
 - identification cont.
 - Streptococcaceae* 629
 - test kits, foods, microbial contamination, *Clostridium* 2583
 - vegetables, bacteria 118
 - yeasts, electrophoresis, DNA hybridization 1884
 - immobilization
 - algae culture, loofah 1827
 - alginates
 - molasses
 - fermentation
 - butanol, production, *Clostridium* 1544
 - isopropyl alcohol, production, *Clostridium* 1544
 - cadmium, uptake, *Rhizopus arrhizus* 1181
 - immunoblotting, beef, bacterial toxins, production, *Escherichia coli* 680
 - isolation
 - acetonitrile, utilization, bacteria 404
 - agar, *Salmonella* 1889
 - biodegradation, microorganisms 2587
 - cattle dung, propionates, biodegradation, *Syntrophobacter wolini* 2525
 - culture media
 - chicken meat, contamination, *Aeromonas* 1325
 - foods, *Zygosaccharomyces rouxii* 1248
 - eggs, *Salmonella enteritidis* 2582
 - foods
 - Salmonella enteritidis* 2582
 - yeasts, culture media 1880
 - meat, *Listeria monocytogenes* 1315
 - meat products
 - Listeria* 674
 - Listeria monocytogenes* 1315
 - metals, processing, waste water treatment, ponds, microorganisms, chromium, resistance, USA, California 1808
 - milk products, *Listeria* 674
 - mussels, contamination, *Listeria*, Italy 149
 - piggery effluent
 - activated sludge
 - Paracoccus denitrificans* 1769
 - Pseudomonas* 1769, 1798
 - pollutants, biodegradation, bacteria 1143
 - shellfish, *Salmonella* 1920
 - sulfur, biodegradation, bacteria 484
 - Vibrio cholerae*, sewage 1994
 - lignin, biodegradation, *Ganoderma cordifolia* 1166
 - luminescence, rapid methods, milk quality, testing 1939
 - mass spectrometry, water systems, *Legionella pneumophila*, epidemiology, UK 239
 - measurement
 - coal, solubilization, fungi 534
 - lignite, solubilization, fungi 534
 - meat, microbiology 43
 - meat products, microbiology 43
 - monitoring
 - anaerobic digestion, methane production, inhibition, chemicals 1191
 - Caulobacter*, adhesion, germanium 1188
 - cereals, ochratoxins 688
 - crude oil, biodegradation, carboxylic acids, Venezuela 1025
 - dyes
 - biodegradation
 - Phanerochaete chrysosporium* 2570
 - Pycnoporus cinnabarinus* 2570
 - fermentation, yeasts, biomass, spectroscopy 1836
 - foodborne diseases 12
 - foods, keeping quality 1235
 - growth
 - wood
 - Ceratocystis piceae* 1944
 - Techniques cont.
 - monitoring cont.
 - growth cont.
 - wood cont.
 - Ceratocystis pilifera* 1944
 - stain fungi 1944
 - industrial wastes, pollution, books 2601
 - Listeria monocytogenes*, virulence, genes 7
 - meat hygiene, microbial contamination, Spain 1862
 - milk, aflatoxins, France 772
 - perishable products, keeping quality 1235
 - pollutants, biodegradation, bacteria 1143
 - sewage, anaerobic treatment, bioreactors, microorganisms, carbon dioxide, production 1437
 - soil pollution, bioremediation 866
 - timbers, biodeterioration, termites 217
 - toxic substances
 - biodegradation
 - polluted soils, reviews 853
 - polluted water, reviews 853
 - waste water, anaerobic treatment, bioreactors, microorganisms, carbon dioxide, production 1437
 - wood, biodeterioration, termites 217
 - plastics, biodegradation 1019
 - polymerase chain reaction
 - Desulfotomaculum thermobenzoicum*, phylogeny 583
 - milk products, microbial contamination, bacteria 201
 - prediction, *Bacillus cereus*, toxins, production models 678
 - prevention, bacteriophages 1180
 - production, mushroom compost 2104
 - purification, chitin, biodegradation, *Aeromonas*, enzymes 2507
 - recovery
 - foods, *Listeria*, association, *Hansenula anomala* 675
 - ultrafiltration, viruses, water 1179
 - restoration, paintings, biodeterioration, insect pests 796
 - sample processing, organic compounds, production, coal, solubilization, microorganisms 1410
 - sampling
 - dried fruit, aflatoxins, Germany 136
 - livers as food, microbial contamination 169
 - screening
 - amygdalin, biodegradation, microorganisms 2571
 - crude oil, biodegradation, bacteria 1182
 - organic compounds, biodegradation, aerobes 2579
 - polyhydroxyalkanoate, biodegradation, fungi 2369
 - toxic substances, biodegradation, aerobes 2579
 - segregation, maize, mycotoxins 65
 - separation, calcium carbonate, coccoliths, algae 2568
 - storage
 - anaerobes, cultures 1186
 - gold, utilization, bacteria 1064
 - terrazolum, reduction, bacteria, water, viability 1183
 - tracer techniques
 - cellulose, biodegradation, soil, models 1614
 - wheat, biodegradation, soil, models 1614
 - transmission electron microscopy, bacteria, identification, sludges, granules, anaerobic digesters 854
 - ultraviolet spectroscopy, pyrites, oxidation, bacteria 1075
 - wood, colonization 2575
 - Telluria chitinolytica*
 - polysaccharides, biodegradation 590
 - taxonony 590
 - Telluria mixta*
 - polysaccharides, biodegradation 590
 - taxonony 590

- Temperature**
beef, Listeria monocytogenes, growth 160
broccoli, microorganisms, modified atmosphere storage 743
Capsicum, storage decay, *Erwinia carotovora* 134
 denitrification, *Pseudomonas*, substrates 1798
 foods, *Salmonella enteritidis*, survival, enumeration 1378
 geosmin, production, Actinomycetales 277
 2-methylisoborneol, production, Actinomycetales 277
 pig manure, proteins, biodegradation 1767
 salads, beef, *Escherichia coli*, pH, acidulants 1924
 seafoods, *Listeria monocytogenes*, growth 143
Vibrio vulnificus
 survival
 sea water 2001
 shellfish 2001
 volatile fatty acids, anaerobic digestion, bioreactors 917
 whey, utilization, *Kluyveromyces fragilis*, single cell protein, production 1540
- Terbutylazine**, cellulose, biodegradation, soil, inhibition 1593
- Termites**
 control
 timbers
 wood preservation
 borates 231
 laboratory tests 792
 timbers, biodeterioration, monitoring 217
 wood, biodeterioration, monitoring 217
- Tertiary treatment**, sewage effluent, reed beds 2143
- Tetrachloroethylene**
 biodegradation
 gram negative bacteria 2378
 sulfate reducing bacteria, characterization 2543
- Tetraselmis suecica**, biomass, recovery, flocculation, polymers, cations 565
- Textile industry**
 waste water, biological treatment, Malaysia 1749
 wastes, biological treatment, Malaysia 1748
- Thailand**
 maize, aflatoxins, inactivation, drying 811
 rock phosphate, availability, soil, phosphate solubilizing microorganisms 566
 sewage sludge, treatment, pathogens, removal, radiation 1977
- Thauera selenatis**, selenates, utilization, taxonomy 591
- Theilaviopsis basicola**, carrots, postharvest decay, control 742
- Thermal spring water**
Legionella
 biofilms
 Portugal, New Mexico 2014
 USA, New Mexico 2014
- Thermoactinomyces sacchari**, sugarcane bagasse, storage, moisture content 1732
- Thermoanaerobacter brockii**, taxonomy 1789
- Thermoanaerobacter ethanolicus**, taxonomy 1789
- Thermoanaerobacter finni**, starch, hydrolysis, enzymes, production 1043
- Thermoanaerobacter thermohydrosulfuricus**
 taxonomy 1789
 xylose, uptake 2498
- Thermoanaerobacterium saccharolyticum**
 enzymes, genetics 1790
 taxonomy 1789
- Thermoanaerobacterium thermosulfurreducens**, taxonomy 1789
- Thermoanaerobacterium xylanolyticum**, taxonomy 1789
- Thermoanaerobium brockii**, taxonomy 1789
- Thermoascus aurantiacus**
cont.
 xylanase, induction, carbohydrates 2566
- Thermobacteroides proteolyticus**, gelatin, biodegradation, anaerobic treatment 2101
- Thermococcus litoralis**, polysaccharides, hydrolysis, enzymes 2549
- Thermomechanical pulping**, lignin, biodegradation, peroxides 2436
- Thermomonospora fusca**
 cellulose, biodegradation, sugar, production 1585
 enzymes, interactions 1589
- Thermomyces lanuginosus**
 xylan, biodegradation, xylanase, stability 1817
 xylanase, production 595
- Thermophilic bacteria**
 granules, growth, anaerobic treatment, bioreactors 2102
 triacylglycerol lipase, activity, Iceland 1799
- Thermophilic fungi**
 fruit pulp, raspberries, detection, sample pretreatment 1289
 triacylglycerol lipase, production 1813
- Thermophilic microorganisms**, potatoes, processing, waste water, aerobic treatment 329
- Thermoplastics**, biodegradable, production, starch, utilization, reviews 2313
- Thiabendazole**
 celery
 storage decay
Botrytis cinerea, control, Israel 1304
Sclerotinia sclerotiorum, control, Israel 1304
- potatoes
 storage decay
Helminthosporium solani, control 1301
Polyscytalum pustulans, control 1301
- Thiaveliopsis basicola**, carrots, Canada 137
- Thiobacillus**
 bacterial leaching, aluminium, bauxite 1068
 concrete, microbial corrosion, heavy metals, resistance 1963
 heavy metals
 bacterial leaching
 sewage sludge 472
 mathematical models 473
 iron, bacterial leaching, carbon dioxide 2457
 new species 1156
 pyrites, bacterial leaching, carbon dioxide 2457
 sewage sludge, heavy metals, removal 1072
 sulfides, bacterial leaching, reviews 487
 zinc, removal, clay, bioremediation 1073
- Thiobacillus denitrificans**
 oil field brines, biodegradation 2433
 waste water treatment, denitrification 1701
- Thiobacillus ferrooxidans**
 biochemistry 2504
 heavy metals, bacterial leaching, genetic engineering 480
 iron
 bacterial leaching 478
 oxidation 1158
 bioreactors 1062
 lignite, desulfurization 2361
 metals, bacterial leaching, genetic engineering 480
 molecular genetics, reviews 2503
 nickel, bacterial leaching, *Bacillus circulans*, *Bacillus licheniformis* 2459
 physiology 2504
 pyrites, oxidation, soil, landfills, sulfuric acid, production 2166
 sphalerite, pyrites, bacterial leaching 2380
 sulfides, minerals, bacterial leaching 1083
 sulfur
 oxidation
 inhibition 1083
- Thiobacillus ferrooxidans**
 sulfur *cont.*
 oxidation *cont.*
 kinetics 485
 temperature
 effects, uranium, mine tailings, effluents, Canada 1755
 survival 2501
- Thiobacillus intermedius**, adhesion, sulfur, oxidation, sewage sludge 2364
- Thiobacillus neapolitanus**, sulfur, oxidation, scanning electron microscopy 615
- Thiobacillus thioparus**
 adhesion, sulfur, oxidation, sewage sludge 2364
 iron, bacterial leaching 478
 lignite, desulfurization 2361
- Thiophanate-methyl**, control, cereals, storage decay, mycotoxins, production, *Aspergillus* 819
- Thiopspheara pantotropha**
 denitrification, oxygen 2522
 poultry manure, ammonia, nitrification 2487
- Thiosulfates**
 oxidation
 heterotrophic microorganisms 1078
 bacteria, enzymes 1077
Hyphomicrobium 1078
 removal, sewage sludge, microbial flora 1778
- Thiothrix**, sulfides, utilization, sewage, activated sludge 2545
- Thiram**
 cellulose, biodegradation, soil, inhibition 1593
 control, cereals, storage decay, mycotoxins, production, *Aspergillus* 819
- Timbers**
 biodeterioration
 fungi, control, wood extracts 227
 termites, monitoring 217
 resistance, wood destroying fungi, Taiwan 228
 structural timbers, biodegradation, *Donkioporia expansa*, Germany 1340
 wood preservation
 borates
Coptotermes formosanus, control 231
 termites, control 231
 decay fungi, control, India 793
 termites, control, laboratory tests 792
 wood destroying fungi, control, laboratory tests 792
- Tobacco**
 insect pests, control, irradiation, reviews 249
 stored products pests, control, irradiation, reviews 249
- Tofu**, microbial contamination 115
- Toluene**
 biodegradation
 denitrification, anaerobic conditions 452
Escherichia coli, chromosome translocation, *Bacillus stearothermophilus* 2211
 groundwater, Netherlands 1628
 soil, microorganisms, biomass, limitations 2286
 polluted soils, microorganisms, inoculation methods, bioremediation 2076
 removal, groundwater, biological treatment, fluidized beds, granular activated carbon, oxygen, nutrients 1641
- Tomato concentrate**, contamination, moulds, analytical methods, immunoassays 731
- Tomato juice**
Bacillus licheniformis
 growth 113
 temperature 113
- Bacillus subtilis**
 growth 113

- Tomato juice cont.**
Bacillus subtilis cont.
 temperature 113
- Tomato waste**, anaerobic digestion, hydro-lases 1720
- Tomatoes**
 postharvest decay, control, *Botrytis cinerea*, heat treatment 741
 processing, wastes, anaerobic digestion 505
- Topsoil**
 food wastes, composting 888
 manures, composting 888
 sewage effluent, composting 888
- Toxic substances**
 biodegradation
 aerobes, screening 2579
 estimation, data analysis, structure activity relationships, USA 1406
 polluted soils, monitoring, reviews 853
 polluted water, monitoring, reviews 853
 wood destroying fungi 972
 inhibition, chloroform, biodegradation, rivers, sediment 2205
 methane production, sludges, anaerobic treatment 2044
- Toxicity**, chemicals, aquatic environment, assessment, bacterial luminescence tests 1837
- Toxins**
Cholera, production, *Vibrio cholerae* + *Bacillus brevis*, genetic engineering 1893
Clostridium botulinum, genetics 1988
Dinophysis sacculus, blooms, marine environment, analysis, hplc, France 2009
 foods, contamination, reviews 70
 oysters, extracts, determination, bioassays 52
 patulin, production, grape juice, contamination, fungi 114
 production
 Bacillus cereus, prediction, models 678
 cheeses, arginine, *Clostridium botulinum* 781
 Clostridium botulinum, gene sequencing 1895
 cyanobacteria, fresh water, Japan 1396
 dinophyta, marine environment, Australia 1391
 Microcystis, lakes, Japan 2016
 Microcystis aeruginosa, heavy metals, effects 2010
 water, determination, bioassays 618
- Toxoplasma gondii**, meat, microbial contamination 1314
- Tralomethrin**
 maize, stored products pests, control 85
 wheat, stored products pests, control 85
- Trametes hirsuta**, pentachlorophenol, biodegradation, polluted soils 2301
- Trametes versicolor**
 control
 azaconazole 1361
 copper sulfate 1361
- Transition metals**, inhibition, sulfates, reduction, anaerobic digesters 1508
- Transport**, beef, vacuum packaging, keeping quality, Saudi Arabia 759
- Trehalulose**, production, sucrose, utilization, *Agrobacterium radiobacter* 1787
- Triacylglycerides**, hydrolysis, *Candida cylindracea*, triacylglycerol lipase, immobilization, supports, activity 1040
- Triacylglycerol lipase**
 production, thermophilic fungi 1813
 rice bran, oils, hydrolysis, *Candida lipolytica*, kinetics 2173
- Triazine herbicides**, biodegradation, waste water, biological treatment 1665
- Tribolium granarium**, cereal grains, contamination, control, fumigation 697
- Trichlorobenzene**, biodegradation, marine areas, sediments, Japan 2199
- Trichlorobiphenyl**, biodegradation, microbial flora, sediment, rivers, USA 1647
- Trichloroethene**, biodegradation, bioreactors, *Methylosinus trichosporium*, methane monooxygenase, enzyme activity 1800
- Trichloroethylene**
 biodegradation
 aquifers
 oxygen, addition, USA, California 2225
 phenols, addition, USA, California 2225
 Pseudomonas cepacia 2062
 bacteria, groundwater, characterization, USA, South Carolina 2541
 biological fixed-film systems, anaerobic treatment 1564
 bioreactors 398
 sediment, contamination, bioremediation, on-site, microbial flora, enhancement 1419
- 2,4,5-Trichlorophenoxyacetic acid**, biodegradation, *Nocardioides simplex* 967
- Trichoderma**
 cellulase, production, *Eichhornia crassipes*, biodegradation 1588
 cellulose, biodegradation, cellulase, pretreatment 2245
 wood chips, biodegradation, cellulase, pretreatment 2245
- Trichoderma harzianum**
 cadmium, sorption 481
 chitin, biodegradation, enzymes 617
 mercury, sorption 481
 zinc, sorption 481
- Trichoderma longibrachiatum**
 cellulose, biodegradation, sugar, production 1585
 enzymes
 cellulose, hydrolysis 431
 interactions 1589
 potato pulp, utilization, enzymes, production 998
 wheat straw, utilization, enzymes, production 438
 xylan, biodegradation, enzymes 996
- Trichoderma reesei** (see *Trichoderma longibrachiatum*)
- cellulase, production, genetics 602
- cellulose
 biodegradation
 celllobiohydrolase, pentaam-minerlenium (III), attachment 2177
 cellulase, production 2558
 enzymes, temperature, tolerance 1170
 fuels, production, glucose, cellulose, biodegradation 2177
 β -glucosidase, genetics 605
 peas, pods, biodegradation, single cell protein, production 942
 wheat straw, upgrading, ethanol production 948
- Trichoderma viride**
 aluminium, bauxite, leaching 1068
 cellulose, saccharification, enzymes, polymerization 2257
 fungicides, citrus fruits, postharvest decay, control 1352
 peas, pods, biodegradation, single cell protein, production 942
- Trichodrema longibrachiatum**, β -glucosidase, production, starch 1816
- Trichosporon**, biological control, of *Botrytis cinerea* 123
- Trichosporonoides**
 glucose, utilization, erythritol, production 1548
 sucrose, utilization, erythritol, production 1548
- Trimethylamine**, effects, nitrification, activated sludge 2395
- Trinitrotoluene**, biodegradation, *Methanococcus*, lakes, sediment, USA 2241
- 2,4,6-Trinitrotoluene**
 biodegradation
 Phanerochaete chrysosporium 2207
 Pseudomonas 2206
- Triphenyl phosphate**, biodegradation, soil 1653
- Triticale**, grain, storage decay, seedborne fungi 711
- Trogoderma granarium**, pearl millet, pest resistance 710
- Tunisia**
 composting
 refuse, pathogens, reduction 1467
 sewage, pathogens, reduction 1467
- Turkey**
 Istanbul
 sewage effluent disposal, management 856
 waste water treatment, management 856
 composts, application, soil 342
 hazelnuts, spoilage, fungi 1276
- Turkeys**
 manure, composting, aerobic, USA 2120
Salmonella typhimurium
 defeathering 770
 skin 770
- Typha angustifolia**, waste water treatment, wetlands, USA 912
- Tyramine**, production, sausages, lactic acid bacteria 764
- UK**
 Scotland, foodborne diseases, *Salmonella*, reviews 24
 cooling towers, *Legionella pneumophila* 237
 cyanobacteria
 contamination
 reservoirs, water purification, processes 2451
 rivers, water purification, processes 2451
 foodborne diseases, reviews 14
 foods, health hazards 669
 fresh water, *Listeria* 295
 ham, contamination, *Salmonella typhimurium*, food poisoning, food hygiene 1213
 humic acids, removal, drinking water, *Rhizopus arrhizus*, biomass 2453
 industrial wastes, reduction, reviews 1196
 meat products, contamination, *Salmonella mikawasima*, food poisoning 1214
 pigmeat, *Salmonella typhimurium*, epidemiology 16
 poultry manure
 anaerobic digestion, environmental factors 553
 biological treatment, environmental factors 553
 composting, environmental factors 553
 sewage
 treatment
 design
 upgrading
 nutrients, removal, lakes, eutrophication, control 2490
 phosphates, removal, lakes, eutrophication, control 2490
 glossaries 2605
 waste water treatment
 chemical industry, reviews 1196
 glossaries 2605
 wastes, reduction, reviews 1196
- Ukraine**
 wheat
 contamination, aflatoxins, production, *Aspergillus flavus* 69
 millling, aflatoxins, inactivation 69
- Ultrafiltration**
 anaerobic digesters, distillery effluent, treatment, methane production 2422
 biomass
 increase
 waste water
 aerobic treatment 2085
 anaerobic treatment 2085
- Ultraviolet radiation**
Escherichia coli, inactivation 256
 patulin, inactivation 58
- Ulva**, water pollution, eutrophication, bioremediation, nutrients, removal, Italy 309

- United Arab Emirates**, sewage, treatment, activated sludge, performance, arid climate 354
- Uranium**
mine tailings
effluents
 heterotrophic microorganisms, temperature, effects, Canada 1755
Thiobacillus ferrooxidans, temperature, effects, Canada 1755
reduction, *Clostridium* 1689
- Urea**, hydrolysis, anaerobic treatment, bioreactors 1439
- Uroglena americana**, eutrophication, algal blooms, lakes, Japan 1400
- USA**
Washington, wood, Coleoptera 218
Alaska
 glucose, biodegradation, microorganisms, forest soils 458
oil spills, bioremediation 1618
phenolic acids, biodegradation, microorganisms, forest soils 458
Arkansas, poultry litter, amendments, soil, ethylene, production, anaerobic conditions 555
- California
 aromatic hydrocarbons, biodegradation, sediment, bacteria, aromatic acids, effects 1009
marine pollution, coastal areas, microbial contamination, shellfish 2033
wetlands, constructed, waste water treatment 1486
- Denver, water reuse, health hazards, standards 1750
- Florida
 nitrogen, removal, landfill leachates, biological treatment 1699
phosphorus, removal, landfill leachates, biological treatment 1699
- Florida, sewage, treatment, biological filtration, water reuse 344
- Florida
 sewage sludge
 wastes
 gardens
 composting 2117
 composts, production, *Phaseolus vulgaris*, growth 2118
 sludges, wastes, gardens, composting 2117
- Kentucky, runoff, groundwater, microbial contamination, faecal coliforms 296
- Louisiana
 dairy factories, waste water treatment, biological filtration 1730
water quality, rivers, biological indicators, sewage, pollution, faecal flora 2015
- Massachusetts, grass clippings, composting 2107
- Missouri
 fire retardants, biodegradation, reservoirs, sediment 1033
organobromine compounds, biodegradation, reservoirs, sediment 1033
phenolic compounds, biodegradation, reservoirs, sediment 1033
septic tank effluent, treatment, wetlands, on-site 913
- Nebraska, irrigation water, nitrates, bioremediation, denitrification 860
- New Jersey
 food wastes, composting 890
 gardening, wastes, composting 890
 waste paper, composting 890
- New York
 food processing, wastes, composting 2106
 odour abatement, sewage sludge, composting 894
- North Carolina
 waste water treatment
 wetlands
 Phragmites australis 912
- USA cont.**
North Carolina *cont.*
 waste water treatment *cont.*
 wetlands *cont.*
 Typha angustifolia 912
- Ohio
 mussels, colonization, rivers, temperature, turbidity 1392
 sewage, treatment, activated sludge, performance 358
- Oklahoma, reservoirs, petroleum, microbially enhanced oil recovery 1010
- Tennessee, mercury, uptake, fresh water, bacteria 1681
- Texas
 refrigerators, contamination, *Listeria monocytogenes* 1964
 sewage, nitrification, activated sludge, biological filtration 1086
- Washington, oysters, *Campylobacter jejuni*, food poisoning 747
- West Virginia
 poultry manure
 composting
 costs 554
 economic viability 554
- aflatoxins, groundnuts, contamination, estimation, sampling 107
- agricultural wastes, composting, supply balance 1465
- bioremediation, environmental legislation 2052
- cheeses
 coliform bacteria, detection 1332
 Escherichia coli, detection 1332
 Staphylococcus aureus, detection 1332
- chemicals, biodegradation, estimation, data analysis, structure activity relationships 1406
- coastal areas, waste water, management, books 2600
- domestic gardens, wastes, animal wastes, composting 341
- drinking water
 disinfectants, pathogens, removal 1981
 disinfection
 byproducts, production, pathogens, removal 1980
 control, performance, costs 1982
 legislation, treatment, costs 1849
- ethylene diamine tetracetate, photoprocessing waste waters, activated sludge, effects 2434
- feeds
 aflatoxins, reviews 78
 fumonisins, reviews 78
 ochratoxins, reviews 78
 vomitoxin, reviews 78
 zearalenone, reviews 78
- food hygiene 19
- groundwater
 pollution, legislation 2026
 water supply, microbial contamination, health hazards, reviews 2019
- Indiana
 faecal coliforms, removal, sewage, treatment, upgrading 2492
 sewage, treatment, upgrading, sewage effluent disposal, rivers, water quality, improvement 2492
- insecticides
 biodegradation
 soil 466
 water 466
- materials, biodeterioration, standards 1850
- meat products, *Escherichia coli*, food poisoning 752
- New York, pulp mill effluent, waste water treatment 1109
- nitrates, pollution, groundwater, septic tank effluent, disposal 1088
- nitrogen compounds, photoprocessing waste waters, activated sludge, effects 2434
- USA cont.**
pathogens, reduction, anaerobic digestion, sewage sludge, application to land, legislation 2034
- polluted soils, bioremediation 2050
- polluted water, bioremediation 2050
- polychlorinated biphenyls
 biodegradation
 marine areas, sediment 2298
 rivers
 sediment 2303
 bioremediation 1655-1656
- poultry manure, manure, composting, aerobic 2120
- poultry meat, gamma radiation, marketing 1938
- refuse
 composting
 legislation, reviews 1462
 supply balance 1465
 sewage sludge, composting 2121
- sewage sludge
 composting 891
 supply balance 1465
 pathogens, legislation 2039
- sulfur, photoprocessing waste waters, activated sludge, effects 2434
- toxic substances, biodegradation, estimation, data analysis, structure activity relationships 1406
- trichlorobiphenyl, biodegradation, microbial flora, sediment, rivers 1647
- turkeys, manure, composting, aerobic 2120
- waste water treatment, filters, sand, reviews 900
- water, contamination, viruses, sewage effluent 1549
- water reuse, viral diseases, assessment 1549
- water supply, contamination, Chironomidae 240
- water systems, contamination, Chironomidae 240
- USSR**
amino acids
 production
 ethanol production
 cellulosic wastes, microbial degradation, reviews 988
 lignocellulosic wastes, microbial degradation, reviews 988
- cereal grains, stored products pests, insects, control 253
- ethanol production
 cellulosic wastes, microbial degradation, reviews 988
 lignocellulosic wastes, microbial degradation, reviews 988
- Vaccines**, rabies, contamination, pathogens, Nigeria 799
- Vacuum packaging**
beef
 cooked, *Listeria monocytogenes*, control, pasteurization 758
 keeping quality 1236
 storage, Saudi Arabia 759
 transport, Saudi Arabia 759
- cold storage
 pigment
 contamination
 bacteria, control 1925
 pathogens, control 1925
- meat, lactic acid bacteria, mathematical models 1316
- Vase life**, cut flowers, preservatives 141
- Vegetable products**, fermentation, lactic acid bacteria, reviews 2423
- Vegetables**
bacteria, identification 118
biodegradation, biogas, production, anaerobic digestion, Switzerland 1516
damage, cold storage, *Rattus rattus*, control 1395
- manures, utilization, growing media 541
- microbial contamination, irrigation, waste water 1302
- microbial degradation, reviews 1916
- microbiology, reviews 1916
- pickled, bacterial count, evaluation 1184

- Vegetables cont.**
preservation
 gamma radiation, Bangladesh 119
 lactic acid bacteria, Bangladesh 119
spoilage, reviews 1916
- Vehicles**, production, waste water, biological treatment, activated sludge, Egypt 535
- Vending machines**, beverages, microbial contamination 667
- Venezuela**, petroleum hydrocarbons, application to land, biological treatment 929
- Ventilators**, hospitals, equipment, *Klebsiella pneumoniae*, condensates 17
- Vermicomposting**
refuse, application to land, soil properties, improvement, Brazil 339
wastes, application to land, soil properties, improvement, Brazil 339
- Vermiculture**
cellulosic wastes, biodegradation 376
crop residues, biodegradation 376
manures, biodegradation 376
sewage sludge, biodegradation 376
- Vernolate**, residues, soil, biodegradation, microbial activities 468
- Verrucaria hochstetteri**
dolomite, biodegradation 803
limestone, biodegradation 803
- Vibrio**
feeds, contamination, proteinases, characteristics, determination 647
milk, contamination, proteinases, characteristics, determination 647
- Vibrio cholerae**
resistance, disinfection, chlorine, drinking water, Peru 1992
sewage, isolation 1994
survival, foods 1203
- Vibrio cholerae + Bacillus brevis**, toxins, Cholera, production, genetic engineering 1893
- Vibrio harveyi**, biofilms, control, ships, anti-fouling agents, paints, evaluation 807
- Vibrio parahaemolyticus**
fish, contamination, India 1313
seafoods, contamination, marine environment, India 1383
shellfish, contamination, India 1313
- Vibrio vulnificus**
survival
 temperature
 sea water 2001
 shellfish 2001
- Villages**, wastes, methane production, composting, anaerobic conditions, Egypt 537
- Vinasse**, sugarcane, biodegradation, anaerobic digesters, design, Brazil 1512
- Viral diseases**, water reuse, assessment, USA 1549
- Viruses**
aphthovirus, meat products, beef, contamination, meat hygiene 175
drinking water, detection, removal, survival 827
enterovirus
 removal, septic tank effluent, treatment, soil 931
 septic tank effluent, environmental impact 931
foodborne diseases, reviews 828
hepatitis B virus, waste water, determination, gene probes 661
marine environment, contamination, environmental assessment, risk 748
mussels, food poisoning, reviews 288
removal
 drinking water, treatment, efficiency, *Clostridium perfringens*, bacteriophages, indicator species 1870
membranes
 ultrafiltration
 waste water 1969
 water 1969
sewage, detection, removal, survival 827
shellfish
 contamination, environmental assessment, risk 748
- France 146
- Viruses cont.**
water
 contamination, sewage effluent, USA 1549
 recovery, ultrafiltration 1179
- Vitamin B12**, production, bacteria, fish ponds, carp 2161
- Vitamins**, activated sludge, heterotrophic microorganisms, requirements 2133
- Volatile compounds**, inhibition, biological fixed-film systems, activated sludge, comparisons 1428
- Volatile fatty acids**
anaerobic digestion, bioreactors, temperature 917
determination, waste water, anaerobic treatment, analysis 1409
production
 food processing, bananas, wastes, fermentation 1721
 foods, *Clostridium perfringens*, enterotoxins, production, differentiation 1374
 sewage sludge, primary, anaerobic digestion, phosphorus, removal, biological treatment, effects 1712
removal
 pig manure
 activated sludge 1770
 composts 1770
- Volvariella volvacea**, growth, sawdust, utilization 423
- Wallemia sebi**, enumeration, culture media 1385
- Waste disposal**
bioremediation, soil, books 644
dairy effluent, South Africa 2424
environmental impact, assessment, books 2012
management, environmental impact 2496
refuse, sulfuric acid, production, microorganisms 2166
rivers, sulfate reducing bacteria, estimation, Korea Republic 587
- Waste disposal sites**
biogas
 production
 microbial activities 372
 microbiology 372
greenhouse gases
 production
 microbial activities 372
 microbiology 372
- Waste gases**
chlorinated hydrocarbons, removal, bacteria 1422
groundwater, pollution, bioremediation, bioreactors 307
industrial wastes, treatment, biological filtration 502
- Waste paper**
composting, USA 890
utilization, ethanol production, *Escherichia coli* 433
- Waste water**
aerobic treatment, biomass, increase, ultrafiltration 2085
anaerobic treatment
 biological fixed-film systems, supports, materials, comparisons 2100
 biomass, increase, ultrafiltration 2085
bioreactors
 design, evaluation 331
 microorganisms, carbon dioxide, production, monitoring 1437
 fluidized beds, Brazil, performance 1451
Methanobacteriaceae 886
Methanothrix 886
sulfate reducing bacteria 886
animal production, environmental impact, books 645
bacteria, plasmids, detection 580
bacteriophages, enumeration 626
biochemical oxygen demand, determination 1408
biodegradation, anaerobic treatment, determination 1503
- Waste water cont.**
biological treatment
 ponds, Cape Verde 382
 reviews 323
 water reuse, agriculture, Cape Verde 382
- cadmium, removal, microorganisms 2334
chlorophenols, removal, bioreactors, anaerobic treatment 1648
- chromium
 removal
 Salvinia 2359
 Spirodelta 2359
composition, activated sludge, stability, mathematical models 349
control, *Legionella*, reviews 9
detoxification, olives, *Aspergillus niger* 365
disinfection, chlorine dioxide 1369
Escherichia coli, disinfection 1368
fungi, biological treatment, books 642
hatcheries, fish farming, aerobic treatment 879
- heavy metals
 removal
 Salvinia 2359
 Spirodelta 2359
 uptake, *Lemna minor* 2335
- hepatitis B virus, determination, gene probes 661
- lead, removal, microorganisms 2334
- management, coastal areas, USA, books 2600
- membranes
 ultrafiltration
 endotoxins, removal 1969
 viruses, removal 1969
- mercury, removal, *Chlorella*, immobilization, bioreactors 2348
- Microcystis aeruginosa*, lysis, *Pseudomonas* 588
- nickel
 removal
 Salvinia 2359
 Spirodelta 2359
- nitrification, bioreactors, moving beds 2396
- nitrobenzene, biodegradation, anaerobic treatment, anaerobic treatment 2272
- nitrogen, removal, Netherlands, reviews 2385
- petroleum, biological treatment, bioreactors, membranes 1736
- phosphates
 removal
 aerobic treatment, bacteria, competition 1091
 biological treatment, reviews, Germany 2406
- phosphorus
 removal
 biological treatment 2409
 Netherlands, reviews 2385
 reservoirs, eutrophication, control, South Africa 1713
- poultry housing
 aerobic treatment, China 1121
 anaerobic treatment, China 1121
- recycling, ponds, fish culture, fish, microbial contamination, Developing Countries 1312
- Salmonellae*, enumeration 614
- sewage
 aroclor, biodegradation, activated sludge 2305
 polychlorinated biphenyls, biodegradation, activated sludge 2305
- Streptococcus faecium*, disinfection 1368
- sulfates, removal, anaerobic treatment, bioreactors, bacteria, competition 1452
- suspended solids
 removal
 ponds
 fish 1482
 protozoa 1482
- triazine herbicides, biodegradation, biological treatment 1665

Waste water cont.

- utilization
 - agriculture
 - Middle East, reviews 370
 - North Africa, reviews 370
 - irrigation
 - Middle East, reviews 370
 - North Africa, reviews 370
- volatile fatty acids, determination, anaerobic treatment, analysis 1409
- Waste water treatment**
 - abattoirs
 - anaerobic digesters
 - kinetics 1119
 - supports 1119
 - activated sludge
 - analytical methods, monitoring 1471
 - bioreactors, design 357
 - kinetics 2139
 - models
 - calibration 1481
 - UK 352
 - nickel 1480
 - Nigeria 2488
 - nitrilotriacetic acid 1480
 - algae, removal, biological filtration 903
 - anaerobic digesters, mixing patterns, analytical methods, models 920
 - anaerobic treatment 332-333
 - sludges, granules, preservation 337
 - aquatic plants, reviews 359
 - biological treatment 327
 - bioreactors
 - algae, bacteria, clay, mathematical models 1491
 - Rhodopseudomonas palustris* 328
 - brewery effluent, anaerobic digesters, microbiology 506
 - caesium, removal, activated sludge 1066
 - chemical industry
 - bioreactors, design 1105
 - UK, reviews 1196
 - clay, removal, biological filtration 903
 - cobalt, removal, activated sludge 1066
 - coliform bacteria, removal, lagoons, design 364
 - dairy factories, biological filtration, USA 1730
 - denitrification
 - Nitrosomonas europaea* 1087
 - Pseudomonas denitrificans* 1087
 - Thiobacillus denitrificans* 1701
 - design
 - effluents, quality, economics 1407
 - models 321
 - disinfection, radiation, reviews 1976
 - drugs, production, biological fixed-film systems, anaerobic conditions, cobalt, application 520
 - environmental impact, assessment, books 2012
 - faecal coliforms
 - removal, lagoons, design 364
 - survival, ponds, natural light, effects 1493
 - fatty acids, anaerobic digestion, pH 918
 - filter beds 1432
 - filters, sand, USA, reviews 900
 - fish, flours, anaerobic digestion 2157
 - herbicides, biodegradation, reviews 1431
 - insecticides, biodegradation, reviews 1431
 - iodine, removal, activated sludge 1066
 - leather industry
 - chromium, removal, activated sludge 1112
 - phenolic compounds, removal, activated sludge 1112
 - management, Turkey 856
 - metals, processing, ponds, microorganisms, chromium, resistance, isolation, USA, California 1808
 - microorganisms, immobilization, biofilms, bioreactors, reviews 2086
 - models 325
 - developing countries 1424
 - nitrification
 - Nitrosomonas europaea* 1087
 - Pseudomonas denitrificans* 1087

Waste water treatment cont.

- nitrogen
 - phosphorus, removal, sewage sludge, characteristics, bacteria, filamentous, succession 1697
 - removal
 - Belgium 1085
 - biological filtration 902
 - oil refinery wastes 521
 - olive oil, production, biological filtration, anaerobic conditions 504
 - olives
 - anaerobic digestion
 - detoxification 365
 - kinetics 921
 - organic compounds, mixtures, toxicity, microorganisms, quantitative techniques, assessment 2087
 - organic matter, removal, biological filtration, media, plastics 348
 - Oscillatior annae*, biological filtration 1472
 - ossein
 - production
 - cyanobacteria 1099
 - Oscillatior pseudogeminata* 1099
 - paper, wastes, processing, bioreactors, fluidized beds, anaerobic conditions 2445
 - phenols, biodegradation, monophenol monooxygenase 457
 - phosphates, removal, bacteria, enzymes 2540
 - phosphorus
 - removal
 - activated sludge, chemical precipitation, reviews, South Africa 501
 - Belgium 1085
 - biological filtration 903
 - piggery effluent
 - denitrification 2485
 - nitrification 2485
 - plants 1432
 - polyacrylates, detergents, additives, biodegradation 306
 - polychlorinated biphenyls, biodegradation, reviews 1431
 - ponds
 - faecal coliforms, removal, irrigation water 1522
 - performance 363
 - population change, Spain 529
 - pulp mill effluent, USA, New York 1109
 - radiation, reviews 1975
 - rotating biological contactors
 - design 2082
 - kinetics 367
 - soft drinks, anaerobic digestion 1723
 - soil, faecal coliforms, removal, performance 930
 - sulfates, anaerobic digestion, pH 918
 - sulfur, removal, sulfur oxidizing bacteria, bioreactors, design 1692
 - tannery waste, anaerobic treatment, activated sludge, India 528
 - UK, glossaries 2605
 - wetlands
 - constructed
 - reviews 1484
 - USA 1486
 - Phragmites australis*, USA 912
 - Typha angustifolia*, USA 912
 - Wastes**
 - animal production, environmental impact, books 645
 - biodegradation, methane production, anaerobic digestion, evaluation 2194
 - biological treatment
 - composting, equipment 340
 - effluents, recycling, filtration 1425
 - biosurfactants, production, reviews 2329
 - food processing
 - bananas
 - fermentation
 - ethanol production 1721
 - lactic acid, production 1721
 - volatile fatty acids, production 1721
 - fungi, biological treatment, books 642
 - heavy metals, removal, biological treatment, Malaysia 1686
 - hospitals, enterotoxins, production, *Staphylococcus aureus*, Iraq 1892
 - management
 - environmental impact, assessment, books 2496
 - legislation, West Virginia, USA 1777
 - reduction, UK, reviews 1196
 - toxic substances, disposal 2496
 - treatment
 - pig manure, biological treatment, reviews, Netherlands 2483
 - radiation, reviews 1975
 - utilization, *Pleurotus tuber-regium*, production 1175
 - vermicomposting, application to land, soil properties, improvement, Brazil 339
 - Water**
 - analysis, books 1199
 - cadmium, removal, microorganisms 2334
 - contamination
 - bacteria, control, carbon dioxide 1365
 - viruses, sewage effluent, USA 1549
 - disinfection, carbon dioxide 1365
 - Escherichia coli*, detection, reviews 1831
 - heavy metals
 - removal
 - Anabaena doliolum*, pH, organic acids 2351
 - Chlorella vulgaris*, pH, organic acids 2351
 - Eichhornia crassipes* 1683
 - lead, removal, microorganisms 2334
 - membranes
 - ultrafiltration
 - endotoxins, removal 1969
 - viruses, removal 1969
 - pathogens, reviews, books 1864
 - pesticides, removal, *Eichhornia crassipes* 1683
 - polyhydroxyalkanoate, biodegradation, bacteria 2368
 - treatment, microbial degradation, biotechnology 2450
 - Yarrowia lipolytica*, characteristics, discriminant analysis 1215
 - Water content, foods, *Bacillus coagulans*, spores, heat resistance 280
 - Water distribution**
 - organic matter, determination, *Pseudomonas fluorescens*, application 1866
 - pipelines, biofilms, development, cast iron, temperature 1960
 - Water management**, politics, books 2027
 - Water pollution**
 - algal blooms, *Amphichrysis compressa*, marine environment, Egypt 2008
 - bioremediation, reviews 2061
 - eutrophication
 - algal blooms 297
 - bioremediation
 - nutrients
 - removal
 - Porphyra*, Italy 309
 - Ulva*, Italy 309
 - heavy metals, bioremediation, aquatic plants, India 2072
 - sediment, polychlorinated biphenyls, biodegradation, aerobic conditions, hydrogen peroxide 1652
 - sewage, indicator species, *Aeromonas caviae*, India 1377
 - Water purification**
 - aquaculture, denitrification, bioreactors, anaerobic treatment, aerobic treatment 2394
 - design, optimization, dynamic programming 531
 - disinfection, reviews 665
 - filters, food industry, microbial contamination, bacteria 33
 - humic acids, biodegradation, microorganisms, regrowth, water distribution 2216
 - magnesium peroxide, diatomite 1366
 - organic matter, biodegradation, bacteria 29

- Water purification cont.**
- processes
 - cyanobacteria
 - contamination
 - reservoirs, UK 2451
 - rivers, UK 2451
- Water quality**
- drinking water
 - bacteriology, reviews 664
 - microbiology, reviews 664
 - eutrophication, algal blooms 297
 - fish farms, microbial contamination, UK 1533
 - groundwater, bacterial count, Italy 1401
 - improvement, rivers, sewage, treatment, upgrading, sewage effluent disposal, USA 2492
 - indicator species, Brazil 294
 - lakes, South Africa 2017
 - microbiology, standards, books 646
 - quality controls, standards 1
 - rivers
 - bacterial count, regression analysis, Japan 1399
 - biological indicators, sewage, pollution, faecal flora, USA 2015
- Water resources**
- microbial contamination, *Microcystis aeruginosa*, microcystin, production, Portugal 1872
 - politics, books 2027
- Water reuse**
- agriculture, waste water, biological treatment, Cape Verde 382
 - health hazards, standards, USA 1750
 - microbiology, reviews, Jordan 1550
 - sewage, treatment, biological filtration, USA 344
 - viral diseases, assessment, USA 1549
- Water samples**, *Cryptosporidium*, identification 2590
- Water supplies**
- contamination, microorganisms, reviews 806
 - microbial contamination, control, disinfection, chlorine, Spain 662
- Water supply**
- contamination
 - Chironomidae, USA 240
 - dairy industry, *Campylobacter*, detection 27
 - milk production, *Campylobacter*, detection 27
 - groundwater, microbial contamination, health hazards, USA, reviews 2019
 - hydrogen sulfide, production, biofouling 28
 - microbial contamination, *Cryptosporidium*, USA, Wisconsin 1224
- Water systems**
- biofouling, algae, bacteria 28
 - cleaning, steel mills, microbial contamination, health hazards 2474
 - contamination
 - Chironomidae, USA 240
 - microorganisms, reviews 806
 - dental, microbial contamination 1347
 - distribution, organic matter, biodegradation, bacteria 29
 - hot water, hospitals, *Legionella pneumophila*, control 1206
 - industrial, sulfate reducing bacteria, detection, culture media 1190
 - Legionella pneumophila*, epidemiology, mass spectrometry, UK 239
 - steel, microbial corrosion, control, concrete, utilization, South Africa 805
 - waterborne diseases, *Legionella*, infectivity 1208
- Waterborne diseases**
- control
 - drinking water, disinfection, Peru 1857
 - Legionella*, reviews 9
 - Legionella*, infectivity, water systems 1208
 - Watersheds, pollution, bacterial toxins, *Clostridium botulinum*, Japan 53
 - Wells, sediment, *Pseudomonas aeruginosa*, antibiotics, resistance 275
- Westiellopsis prolifica**, sodium, uptake 1803
- Wetlands**
- artificial
 - acid mine drainage, treatment 1499
 - cadmium, removal, *Taxodium ascendens* 1498
 - zinc, removal, *Taxodium ascendens* 1498
 - constructed
 - waste water treatment
 - reviews 1484
 - USA 1486
 - on-site, septic tank effluent, treatment, USA 913
 - runoff, phosphorus, removal, Western Australia 1093
 - sewage effluent disposal, bioremediation, sediment 2144
 - waste water treatment
 - Phragmites australis*, USA 912
 - Typha angustifolia*, USA 912
- Wheat**
- biodegradation, soil, models, tracer techniques 1614
 - contamination
 - aflatoxins, production, *Aspergillus flavus*, Ukraine 69
 - Fusarium culmorum*, mycotoxins, brewing quality 93
 - Gibberella zeae*, mycotoxins, brewing quality 93
 - mycotoxins, *Fusarium*, production, Germany 695
 - ochratoxins, Germany 89
 - flours, production, microbial contamination, Italy 1908
 - milling, aflatoxins, inactivation, Ukraine 69
 - Sitophilus oryzae*, control, plant extracts 102
 - stored products pests
 - control, tralomethrin 85
 - detection, infrared spectroscopy 1394
- Wheat bran**
- contamination, mycotoxins, *Fusarium*, production, Germany 695
 - fermentation, microbial flora, anaerobic treatment, methodology 985
- Wheat straw**
- biodegradation
 - feeds, production, *Aspergillus*, bioreactors, design 940
 - fungi 429, 432
 - carbon dioxide, release 981
 - nutrients, release 981
 - mushroom compost, production 897
 - Pleurotus ostreatus* 980
 - rumen microorganisms, interactions 418
 - Streptomyces viridosporus*, environmental factors 414
 - composting, nitrogen 421
 - fermentation, fungi, feeds, production 1586
 - microbial contamination
 - aflatoxins, feeds, digestibility 73
 - citrinin, feeds, digestibility 73
 - ochratoxins, feeds, digestibility 73
 - patulin, feeds, digestibility 73
 - penicillilic acid, feeds, digestibility 73
 - sterigmatocystin, feeds, digestibility 73
 - upgrading
 - ethanol production, fungi 948
 - feeds, production, *Pleurotus sajor-caju* 2168
 - utilization, *Trichoderma longibrachiatum*, enzymes, production 438
- Whey**
- anaerobic digestion, surfactants, methane production 2193
 - bacteria, control, bactofugation 184
 - bacterial count, determination 786
 - biodegradation
 - Kluyveromyces fragilis*
 - growth, mathematical models 2169
 - lactose, metabolism, mathematical models 2170
 - oxygen, utilization, mathematical models 2171
- Whey cont.**
- fermentation
 - citric acid, production, *Aspergillus niger* 375
 - lactic acid bacteria 787
 - microbial contamination 509
 - yeasts 787
 - microbial contamination, sterilization 189
 - utilization
 - anaerobic treatment, acetates, production 512
 - glucans, production, *Achromobacter delicatulus* 516
 - Kluyveromyces fragilis*, single cell protein, production, temperature 1540
 - microorganisms, reviews 1103
 - Propionibacterium freudenreichii* var. *shermanii*, production 510
 - proteins, production, *Kluyveromyces fragilis* 509
- Wild pigs**, meat hygiene 166
- Wine casks**, wood, biodeterioration, *Oscillularia lignatilis*, taxonomy, Austria 1949
- Wine industry**, distillery effluent, anaerobic treatment, design 1455
- Winemaking**
- microbial contamination, biological control 110
 - Pediococcus pentosaceus*, bacteriocins 724
 - yeasts, reviews 2562
- Winemaking residues**, anaerobic treatment, fluidized beds 1443
- Wines**
- contamination
 - lactic acid bacteria 1911
 - yeasts 1911
 - fermentation
 - Hansenula rakii*, *Zygosaccharomyces bailii*, control 1989
 - Hansenula saturnus* var. *subsurficiens*, *Zygosaccharomyces bailii*, control 1989
 - Lactobacillus*, sulfur dioxide, survival 723
 - Leuconostoc oenos*, sulfur dioxide, survival 723
 - Pediococcus damnosus*, detection 1284
 - yeasts
 - Australia, specifications 1282
 - identification, culture media 1246
- Wood**
- biodegradation
 - Aspergillus niger*
 - India
 - gamma radiation 440
 - pretreatment 440
 - feeds
 - production
 - Ganoderma australe*, Chile 938
 - Phlebia chrysosacea*, Chile 938
 - Rigidoporus lignosus*, cytochemistry 2563
 - wood preservation, bacteria, reviews 1151
 - biodeterioration
 - marine borers, *Lyrodus singaporeana*, India 220
 - microorganisms 1942
 - termites, monitoring 217
 - Ceratostysis piceae*, monitoring, growth 1944
 - Ceratostysis pilifera*, monitoring, growth 1944
 - Coleoptera, USA 218
 - colonization, techniques 2575
 - decay
 - Arthrophagis cuboidea*, *Lentinula edodes*, cultivation, inhibition, Japan 1950
 - Aspergillus versicolor*, determination, assays 1948
 - Leucoglycophana pinastri*, preservatives, arsenicals, inactivation, iron, soil 1951
 - Penicillium brevicompactum*, determination, assays 1948

- Wood cont.**
 insect pests, control, methyl bromide, New Zealand 221
 panels, coatings, Sweden 223
Piptoporus betulinus
 ecology 1947
 taxonomy 1947
 resistance, fungi, reviews 222
Serpula lacrimans
 Europe 1946
 India 1946
 stain fungi, monitoring, growth 1944
 waterproofing 224
- Wood chips**
 biodegradation
Pleurotus ostreatus 980
Trichoderma, cellulase, pretreatment 2245
 biodeterioration
 storage
 fungi 214
 microorganisms 214
 biopulping, *Ophiostoma piliferum* 1745
- Wood destroying fungi**
Acacia auriculiformis, resistance 216
 antibiotics, pesticides, synergism 1056
 bacteria, interactions 1945
Chaetomium
Cryptomeria japonica, biodegradation 989
Fagus crenata, biodegradation 989
Coniophora puteana, *Populus robusta*, improved wood, decay, resistance 1953
 control
 timbers, wood preservation, laboratory tests 792
 wood preservation, standards, Canada 230
Coriolus versicolor, *Populus robusta*, improved wood, decay, resistance 1953
 determination, microscopy 789
Graphium
Cryptomeria japonica, biodegradation 989
Fagus crenata, biodegradation 989
Hevea brasiliensis, decay, resistance 215
 lignin, biodegradation, biochemistry, reviews 1596
 nomenclature, India 282
Oligoporus placenta 1361
 organochlorine pesticides, biodegradation 238
Panus tigrinus, lignin, biodegradation, enzymes 991
Phanerochaete chrysosporium 2570
 enzymes 990
Phlebia radiata
 lignin, biodegradation, enzymes 991
 peroxidases 1169
Phlebia tremellosa, peroxidases 1169
Pinus taeda, resistance, wood preservation 791
Piptoporus betulinus 1947
 polluted soils, bioremediation 316
Pycnoporus cinnabarinus 2570
Rigidoporus lignosus 2563
Serpula lacrimans 1832, 1946
 sugarcane bagasse, biological treatment 2426
 timbers, resistance, Taiwan 228
 toxic substances, biodegradation 972
Trametes versicolor 1361
Xylaria
Cryptomeria japonica, biodegradation 989
Fagus crenata, biodegradation 989
Wood extracts, timbers, biodeterioration, fungi, control 227
Wood panels, wood preservation 226
Wood preservation
 borates
 timbers
Coptotermes formosanus, control 231
 termites, control 231
 Coleoptera, control, softwoods 219
 insect pests, control, softwoods 219
 New Zealand 221
- Wood preservation cont.**
Pinus taeda
 resistance
Gloeophyllum trabeum 791
 wood destroying fungi 791
 plywood 226
Pseudotsuga menziesii, fumigation, dazomet 1952
 Switzerland 225
 timbers
 decay fungi, control, India 793
 termites, control, laboratory tests 792
 wood destroying fungi, control, laboratory tests 792
 wood, biodegradation, bacteria, reviews 1151
 wood destroying fungi, control, standards, Canada 230
 wood panels 226
- Wood preservatives**
 azaconazole
Oligoporus placenta, control 1361
Trametes versicolor, control 1361
 borates 231
 chlordane 219
 copper 792
 copper chrome arsenate 226, 228, 230
 fungi, control 794
 copper chrome boron, fungi, control 794
 copper sulfate
Oligoporus placenta, control 1361
Trametes versicolor, control 1361
 copper zinc arsenate 226
 creosote 793
 fungi, control 794
 cypermethrin 219
 endosulfan 219
 fenvalerate 219
 heptachlor 219
 methyl bromide 221
 methyl isocyanate 791
 organotin compounds 229, 241
 reviews 795
 phenyl thiocarbamate 791
 soaps 792
- Wood pulp**
 biodegradation, *Bacillus stearothermophilus*, xylanases 1604
 bleaching, xylanases 1738
 decolorization, *Bacillus stearothermophilus*, xylanases 1746
- Wool**
 fibres
 biodegradation
Pseudomonas aeruginosa 788
Xanthomonas maltophilia 788
- Wool production**
 waste water
 anaerobic treatment, membranes, ultrafiltration 1457
 pesticides, removal, biological filtration 2317
- Works of art**
 microbial contamination, air spora, reviews 1954
 restoration, materials, biodeterioration, fungi 1341
- Wort**, fermentation, *Saccharomyces cerevisiae*, sulfur, volatile compounds 111
- Xanthan**
 gums, production, sugarcane byproducts, molasses, upgrading, *Xanthomonas campestris* 2429
 production
 maize steep liquor, utilization, *Xanthomonas campestris* 380
Xanthomonas campestris 575
 bioreactors, operation, oxygen 2524
- Xanthomonas**, food industry, water purification, filters, microbial contamination 33
- Xanthomonas campestris**
 maize steep liquor, utilization, xanthan, production 380
 sugarcane byproducts, molasses, upgrading, xanthan, gums, production 2429
 xanthan
 production 575
 bioreactors, operation, oxygen 2524
- Xanthomonas maltophilia**, wool, fibres, biodegradation 788
- Xylan**
 biodegradation
Aspergillus, enzyme activity 436
Aspergillus awamori, enzyme activity, comparisons 1820
Bacillus, enzymes, pH 2550
Butyrivibrio fibrisolvens, enzymes 579
Cephalosporium, alkalinity 2248
Chainia, genetic engineering 1811
 microorganisms, enzymes, reviews 2249
Streptomyces, enzyme activity 2555
Thermomyces lanuginosus, xylanase, stability 1817
Trichoderma longibrachiatum, enzymes 996
- Xylanolytic microorganisms**
Aspergillus awamori 1820
Aspergillus fumigatus 436
Aspergillus nidulans 598
Aspergillus oryzae 436
Aspergillus sydowii 599, 2242
Bacillus 2508, 2550
Bacillus stearothermophilus 1746
Butyrivibrio fibrisolvens 579
Cephalosporium 2248
Chainia 1811
Lactobacillus plantarum 1125
Streptomyces 2555
Thermoanaerobacterium saccharolyticum 1789
Thermoanaerobacterium xylanolyticum 1789
Thermomyces lanuginosus 595, 1817
Trichoderma longibrachiatum 996
- Xylene**
 biodegradation
 denitrification, anaerobic conditions 452
 groundwater, Netherlands 1628
 soil, microorganisms, biomass, limitations 2286
 polluted soils, microorganisms, inoculation methods, bioremediation 2076
 removal, groundwater, biological treatment, fluidized beds, granular activated carbon, oxygen, nutrients 1641
- Xylose**
 fermentation
Clostridium thermosaccharolyticum, ethanol, production 507
 ethanol production
Candida shehatae, inhibition, organic compounds 1584
Pichia stipitis, inhibition, organic compounds 1584
 uptake, *Thermoanaerobacter thermohydrosulfuricus* 2498
- utilization**
Alcaligenes eutrophus, gene transfer 2547
Bacillus stearothermophilus, xylanases, production 1604
 enhancement
Pichia stipitis, gene treatment 1826
Saccharomyces cerevisiae, gene treatment 1826
 ethanol production, *Escherichia coli*, acetic acid, pH, effects 2176
- Yarrowia lipolytica**
 characteristics
 butter, discriminant analysis 1215
 poultry meat, discriminant analysis 1215
 prepared foods, discriminant analysis 1215
 water, discriminant analysis 1215
 citric acid, production, paraffins 604
 yoghurt, contamination, packaging, oxygen, transmission 208
- Yeast sludge**, production, waste water, fluidized beds, biological treatment, anaerobic conditions, design 1458
- Yeasts**
 alkanes, biodegradation 1635

Yeasts cont.

- Annona muricata*, syrups, microbial contamination, Puerto Rico 1280
- apple juice, detection 1835
- beers
 - Australia, specifications 1282
 - identification, culture media 1246
 - beverages, spoilage, reviews 1913
 - biomass, fermentation, monitoring, spectroscopy 1836
 - breadmaking, microbial flora 1907
 - cream, syrups, microbial contamination, Puerto Rico 1280
 - culture media, detection 1835
 - d-malic acid, production, reviews 1082
 - dried fruit, detection 1299
 - ethanol production, levoglucosan, wood tar 1611
 - feeds, contamination, ergosterol, production 1902
 - food, enumeration, culture media 1243
 - food spoilage, reviews 1876
 - foods
 - enumeration
 - comparisons 1241
 - culture media 1880
 - identification 1244-1245, 1879
 - antigens, ELISA 1883
 - fatty acids, profiles, South Africa 1882
 - isolation, culture media 1880
 - fruit drinks, sorbic acid, resistance 1281
 - fruit juices
 - Australia, specifications 1282
 - identification, culture media 1246
 - growth, paint, films, resistance, assessment 1345
 - identification, electrophoresis, DNA hybridization 1884
 - inactivation, ozone 820
 - lactose, fermentation, isolation 511
 - lignocellulosic wastes, fermentation, hemicelluloses, utilization, ethanol production 1583
 - methanol, utilization, enzyme activity 1824
 - milk products, enumeration, comparisons 1241
 - minerals, kalsilite, biodegradation 1080
 - polluted soils, bioremediation 316
 - production, wastes, biodegradation, soil 2244
 - refuse, anaerobic digestion 1781
 - sauces, contamination, gamma radiation, control 1937
 - separation, foods, surfaces, techniques 1881
 - sesame, syrups, microbial contamination, Puerto Rico 1280
 - sulfur, reduction, aerobic conditions 1695
 - Tamarindus indica*, syrups, microbial contamination, Puerto Rico 1280
 - technology, books 1876, 1913, 2562, 2603
 - whey, fermentation 787
 - winemaking, reviews 2562
 - wines
 - Australia, specifications 1282
 - contamination 1911
 - identification, culture media 1246
 - yoghurt, contamination, packaging, oxygen, transmission 208

Yersinia

- cheeses, Brazil 784
- foods, contamination, detection 190
- meat products, Egypt 173
- milk products, contamination, detection 190
- surface water, Norway 266

***Yersinia enterocolitica* cont.**

- cheeses, Argentina 729
- control, pigmeat, contamination, vacuum packaging, cold storage 1925
- foods 1216
- inhibition, by *Lactobacillus sake* 1802
- listeria monocytogenes*, milk, growth, biological competition 198
- meat products
 - Argentina 729
 - Egypt 173
 - salmon, processing 147
- sausages, contamination, temperature 1996
- survival, cheeses, storage 1384
- virulence, anaerobic conditions 1379

***Yersinia intermedia*, meat products, Egypt 173**

- Yoghurt**
 - containers, defects, collapse, microorganisms, Italy 210
 - contamination
 - Listeria* 212
 - yeasts, packaging, oxygen, transmission 208
 - lactic acid bacteria, Egypt 1337
 - Listeria monocytogenes*, survival, storage 1336
 - manufacture, aflatoxins, toxicity 211
 - microbial flora, Egypt 1337
 - moulds, Egypt 1337

Yugoslavia

- cultured cream
 - microbial flora 1335
 - pathogens 1335
- Zeolites**, pig slurry, biodegradation, straw, ammonia, control 338
- Zinc**
 - bacterial leaching, sewage sludge, anaerobic digestion 2338
 - removal
 - clay, *Thiobacillus*, bioremediation 1073
 - wetlands, artificial, *Taxodium ascendens* 1498
 - residual effects, sewage sludge, application to land, microorganisms, biomass, soil 299
 - sorption
 - microorganisms, activated sludge 1063

***Trichoderma harzianum* 481**

- toxicity, bacteria, survival, soil 300

uptake

- Candida utilis* 1688
- Eichhornia crassipes*, pH 2358
- waste water, *Lemna minor* 2335
- water, removal, microorganisms 2345

Zoogloea ramigera

- polyhydroxybutyrate, granules, biodegradation 2370
- polysaccharides, metals, uptake 1071

Zootermopsis*, lignite, biodegradation, methane production 2471**Zygomycetes*, coal, solubilization, reviews 2467*****Zygosaccharomyces bailii***

- control
 - wines
 - fermentation
 - Hansenula mrakii* 1989
 - Hansenula saturnus* var. *sub-sufficiens* 1989

***Zygosaccharomyces rouxi*, foods, isolation, culture media 1248**

- Zymomonas mobilis***
 - cellulose, hydrolysates, fermentation, ethanol production 2259
 - lignocellulosic wastes, fermentation, hemicelluloses, utilization, ethanol production 1583
 - sucrose, ethanol production 2428
 - sugarbeet, fermentation, methodology, byproducts 1101
 - sugarbeet juice, fermentation, ethanol production 377

LIST OF SERIALS ABSTRACTED

Listed below are the titles of the serial publications (excluding most annual reports and conference proceedings) abstracted during 1994 for this journal.

Many other serials were scanned during 1994 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition*. The publication includes ISSNs and publishers' addresses.

- Abwassertechnik
- Acta Academiae Agriculturae ac Technicae Olstenensis, Protectio Aquarum et Piscatoria
- Acta Agriculturae Scandinavica. Section B, Soil and Plant Science
- Acta Agronomica Hungarica
- Acta Biotechnologica
- Acta Horticulturae
- Acta Hydrobiologica
- Acta Hydrochimica et Hydrobiologica
- Acta Microbiologica Bulgarica
- Acta Microbiologica Hungarica
- Acta Microbiologica Polonica
- Acta Veterinaria Brno
- Advances in Applied Microbiology
- Advances in Horticultural Science
- Aerobiologia
- African Journal of Ecology
- Agribiological Research
- Agricultural and Resource Economics Review
- Agro Food Industry Hi-Tech
- Alimentaria
- Allionia
- American Journal of Industrial Medicine
- American Journal of Infection Control
- Analyst
- Analytical Biochemistry
- Analytical Chemistry (Washington)
- Animal Feed Science and Technology
- Animal Science and Technology
- Annali di Microbiologia ed Enzimologia
- Annals of Agricultural Science (Cairo)
- Annals of the Phytopathological Society of Japan
- Antonie van Leeuwenhoek
- Appita Journal
- Applied and Environmental Microbiology
- Applied Biochemistry and Biotechnology
- Applied Entomology and Zoology
- Applied Mathematical Modelling
- Applied Microbiology and Biotechnology
- Aquacultural Engineering
- Aquaculture
- Archiv für Fischereiwissenschaft
- Archiv für Hydrobiologie
- Archiv für Lebensmittelhygiene
- Archives de l'Institut Pasteur de Tunis
- Archives of Animal Nutrition
- Archives of Biochemistry and Biophysics
- Archives of Environmental Contamination and Toxicology
- Archives of Insect Biochemistry and Physiology
- Archivio Veterinario Italiano
- Arquivos de Biologia e Tecnologia
- ASEAN Food Journal
- ASM News (Washington)
- Assiut Journal of Agricultural Sciences
- Assiut Veterinary Medical Journal
- ASTM Standardization News
- Australasian Biotechnology
- Australasian Plant Pathology
- Bio/Technology
- Biochemical and Biophysical Research Communications
- Biochemistry and Molecular Biology International
- Biocycle
- Biodegradation
- Biodeterioration Abstracts
- Biogeochemistry
- Biological Agriculture & Horticulture
- Biologicheskii Zhurnal Armenii
- Biology and Fertility of Soils
- Biology Bulletin of the Russian Academy of Sciences
- Biomass and Bioenergy
- Biomaterials, Artificial Cells and Immobilization Biotechnology
- Biomedical Letters
- BioMetals
- Bioprocess Engineering (Berlin)
- Bioresource Technology
- Bioscience, Biotechnology and Biochemistry
- Biotech Forum Europe
- Biotechnology Advances
- Biotechnology and Applied Biochemistry
- Biotechnology and Bioengineering
- Biotechnology Education
- Biotechnology Letters
- Biotechnology Techniques
- Biotehnologiya
- Biuletyn Instytutu Hodowli i Aklimatyzacji Roślin
- Board of Environmental Studies Occasional Paper, University of Newcastle
- Boletín de Sanidad Vegetal, Fuera de Serie
- Boletín Micológico
- Boletus
- Botanica Marina
- Botanical Bulletin of Academia Sinica
- British Food Journal
- Buletinul Academiei de Științe a Republicii Moldova. Științe Biologice și Chimice
- Bulletin - Connecticut Agricultural Experiment Station
- Bulletin OEPP
- Bulletin of Animal Health and Production in Africa
- Bulletin of Environmental Contamination and Toxicology
- Bulletin of the Ibaraki Prefectural Forest Experiment Station
- Bulletin of the Institute for Comprehensive Agricultural Sciences, Kinki University
- Bulletin of the Japanese Society of Fisheries Oceanography
- Canadian Journal of Fisheries and Aquatic Sciences
- Canadian Journal of Microbiology
- Canadian Journal of Plant Pathology
- Carbohydrate Polymers
- Carbohydrate Research
- Central European Journal of Public Health
- Cereal Chemistry
- Chemical Engineering World
- Chemical Reaction Engineering and Technology
- Chemistry and Industry (London)
- Chemosphere
- Chèvre
- Chimica Oggi
- Chinese Journal of Applied Ecology
- Chinese Journal of Biotechnology
- Chinese Journal of Entomology
- Chinese Journal of Public Health
- Chromatographia
- Científica (Jaboticabal)
- Clinica Dietologica
- Comparative Biochemistry and Physiology. B, Comparative Biochemistry
- Compendium on Continuing Education for the Practicing Veterinarian
- Compost Science & Utilization
- Comptes Rendus de l'Académie d'Agriculture de France
- Computer Applications in the Biosciences
- Conservator
- Cornell Focus
- Corrosion (Houston)
- CRC Critical Reviews in Food Science and Nutrition
- Critical Reviews in Environmental Science and Technology
- Crop Protection
- Crop Research (Hisar)
- Cryptogamie, Mycologie
- Cuba Azúcar
- Current Microbiology
- Current Opinion in Biotechnology
- Current Research - University of Agricultural Sciences (Bangalore)
- Dairy, Food and Environmental Sanitation
- Deutsche Lebensmittel-Rundschau
- Deutsche Milchwirtschaft (Hildesheim)
- Developments in Chemical Engineering and Mineral Processing
- Dissertation Abstracts International. B, Sciences and Engineering
- DMZ, Lebensmittelindustrie und Milchwirtschaft
- Doğa, Türk Tarım ve Ormancılık Dergisi

- Doklady Akademii Nauk Belarusi
 Ecological Modelling
 Economic and Political Weekly
 Ecotoxicology and Environmental Safety
 Egyptian Journal of Dairy Science
 Egyptian Journal of Food Science
 Egyptian Journal of Microbiology
 Ekologia Polska
 Ekologija
 EMBO Journal
 Energie (Dusseldorf)
 Entomon
 Environment and Ecology
 Environment International
 Environmental Health
 Environmental Management and Health
 Environmental Pollution
 Environmental Progress
 Environmental Science & Technology
 Environmental Technology
 Environmental Toxicology and Chemistry
 Environmetrics
 Enzyme and Microbial Technology
 Epidemiology and Infection
 Ernährung
 European Food and Drink Review
 European Journal of Biochemistry
 European Journal of Forest Pathology
 European Patent Application
 FEMS Microbiology Ecology
 FEMS Microbiology Letters
 FEMS Microbiology Reviews
 Fertiliser News
 Fertilizer Research
 Finnish Marine Research
 Flavour and Fragrance Journal
 Fleischwirtschaft
 Folia Microbiologica
 Food and Agricultural Immunology
 Food Australia
 Food Chemistry
 Food Laboratory News
 Food Microbiology
 Food Policy
 Food Research International
 Food Science and Technology Today
 Food Technology (Chicago)
 Forest Products Industries
 Forest Products Journal
 Forschungs-Report, Ernährung Landwirtschaft Forsten
 Fresenius Environmental Bulletin
 Fresenius' Journal of Analytical Chemistry
 Futures (East Lansing)
 Genetic Engineer and Biotechnologist
 Geomicrobiology Journal
 Grasas y Aceites (Sevilla)
 Gujarat Agricultural University Research Journal
 Hazardous Waste & Hazardous Materials
 HGCA Project Report
 Himachal Journal of Agricultural Research
 Holzforschung
 Horticultura Brasileira
 Hydrobiologia
 Igiene Moderna
 IICA Miscellaneous Publication
 Indian Dairyman
 Indian Farming
 Indian Journal of Animal Sciences
 Indian Journal of Comparative Microbiology, Immunology and Infectious Diseases
 Indian Journal of Dairy Science
 Indian Journal of Environmental Health
 Indian Journal of Forestry
 Indian Journal of Marine Sciences
 Indian Journal of Microbiology
 Indian Journal of Mycology and Plant Pathology
 Indian Journal of Plant Protection
 Indian Journal of Poultry Science
 Indian Phytopathology
 Indian Veterinary Journal
 Indian Veterinary Medical Journal
 Industria del Latte
 Industrial & Engineering Chemistry Research
 Industrial Microbiology
 Industrie Alimentari
 Industrie delle Bevande
 Industries Alimentaires et Agricoles
 Informatore Fitopatologico
 Ingegneria Alimentare, Le Conserve Animali
 Ingeniería Química
 Inquinamento
 International Biodeterioration & Biodegradation
 International Dairy Federation Special Issue
 International Dairy Journal
 International Journal of Environment and Pollution
 International Journal of Environmental Health Research
 International Journal of Environmental Studies
 International Journal of Food Microbiology
 International Journal of Food Science & Technology
 International Journal of Mineral Processing
 International Journal of Mycology and Lichenology
 International Journal of Systematic Bacteriology
 International Journal of Water Resources Development
 International Sugar Journal
 Internationale Revue der Gesamten Hydrobiologie
 Irrigation and Drainage Systems
 Isotope and Radiation Research
 ITF-Trykk
 Japanese Journal of Limnology
 Japanese Journal of Toxicology and Environmental Health
 Journal of Agricultural and Food Chemistry
 Journal of Agricultural Entomology
 Journal of Agricultural Science
 Journal of Agriculture of the University of Puerto Rico
 Journal of Analytical and Applied Pyrolysis
 Journal of Animal Physiology and Animal Nutrition
 Journal of Animal Science
 Journal of AOAC International
 Journal of Applied Animal Research
 Journal of Applied Bacteriology
 Journal of Applied Phycology
 Journal of Applied Poultry Research
 Journal of Aquatic Animal Health
 Journal of Arid Environments
 Journal of Bacteriology
 Journal of Basic Microbiology
 Journal of Biological Chemistry
 Journal of Biosciences
 Journal of Biotechnology
 Journal of Chemical Engineering of Japan
 Journal of Chemical Technology & Biotechnology
 Journal of Chromatographic Science
 Journal of Contaminant Hydrology
 Journal of Dairy Science
 Journal of Ecotoxicology & Environmental Monitoring
 Journal of Entomological Research
 Journal of Environmental Engineering (New York)
 Journal of Environmental Pathology, Toxicology and Oncology
 Journal of Environmental Quality
 Journal of Environmental Science and Health. Part A, Environmental Science and Engineering
 Journal of Environmental Science and Health. Part B, Pesticides, Food Contaminants, and Agricultural Wastes
 Journal of Experimental Marine Biology and Ecology
 Journal of Fermentation and Bioengineering
 Journal of Food Protection
 Journal of Food Science and Technology (Mysore)
 Journal of Freshwater Ecology
 Journal of General and Applied Microbiology
 Journal of General Microbiology
 Journal of Hospital Infection
 Journal of Industrial Microbiology
 Journal of International Development
 Journal of Maharashtra Agricultural Universities
 Journal of Marine Biotechnology
 Journal of Microbiological Methods
 Journal of Microbiology
 Journal of Nutrition
 Journal of Nutritional Medicine
 Journal of Pesticide Science
 Journal of Phycology
 Journal of Resource Management and Technology
 Journal of Soil Science
 Journal of Stored Products Research
 Journal of Sugar Beet Research
 Journal of Sustainable Agriculture
 Journal of the Air & Waste Management Association
 Journal of the American Mosquito Control Association
 Journal of the American Oil Chemists' Society
 Journal of the American Society for Horticultural Science
 Journal of the Chinese Agricultural Chemical Society
 Journal of the Egyptian Veterinary Medical Association
 Journal of the Entomological Society of British Columbia
 Journal of the Indian Academy of Wood Science
 Journal of the Institute of Wood Science
 Journal of the Institution of Water and Environmental Management
 Journal of the Science of Food and Agriculture
 Journal of the Science Society of Thailand
 Journal of the Tokyo University of Fisheries
 Journal of Veterinary Diagnostic Investigation
 Journal of Veterinary Medicine. Series B
 Khimiya v Sel'skom Khozyaistve

- Korean Journal of Applied Microbiology and Biotechnology
 Korrespondenz Abwasser
 KTBL-Arbeitspapier
 Lait
 Lait et Nous
 Lancet (British edition)
 Landtechnik
 Lebensmitteltechnik
 Letters in Applied Microbiology
 Limnology and Oceanography
 Marine Ecology, Progress Series
 Material und Organismen
 Meat Science
 Mededeelingen van de Faculteit Landbouwwetenschappen, Universiteit Gent
 Medycyna Weterynaryjna
 Meieriposten
 Mekhanizatsiya i Elektrifikatsiya Sel'skogo Khozyaistva
 Melding - Institutt for Tekniske Fag, Norges Landbrukskole
 Memoire - Direction de la Recherche et du Développement, Ministère de l'Énergie et des Ressources (Forêts), Québec
 Metodiky pro Zavádění Výsledků Výzkumu do Zemědělské Praxe
 Microbial Ecology
 Microbial Releases
 Microbiological Reviews
 Microbiologie, Aliments, Nutrition
 Microbiology (New York)
 Microbiology and Immunology
 Microbiology Europe
 Microbios
 Micron
 Mikrobiologiya i Fitopatologiya
 Mikrobiologija (Beograd)
 Milchwissenschaft
 Milk Industry (London)
 Minerals & Metallurgical Processing
 Misset World Poultry
 Mitteilungen aus dem Gebiete der Lebensmitteluntersuchung und Hygiene
 Mlječkarstvo
 Mokuzai Gakkaishi = Journal of the Japan Wood Research Society
 Molecular and General Genetics
 Molecular Ecology
 Molecular Microbiology
 Molkerei-Zeitung Welt der Milch
 Molochnaya i Myasnaya Promyshlennost'
 Moscow University Biological Sciences Bulletin
 Mühlé+Mischfuttertechnik
 Mushroom Journal
 Mushroom Research
 Mycologia
 Mycological Research
 Mycologist
 Mycopathologia
 Mycotaxon
 National Academy Science Letters
 Natural Toxins
 Nature (London)
 Nauka u Praksi
 Neue Landwirtschaft
 New Zealand Journal of Crop and Horticultural Science
 New Zealand Journal of Forestry Science
 New Zealand Veterinary Journal
 Nippon Nogeikagaku Kaishi
 Nippon Shokuhin Kogyo Gakkaishi = Journal of the Japanese Society for Food Science and Technology
 Nippon Suisan Gakkaishi = Bulletin of the Japanese Society of Scientific Fisheries
 Norsk Landbruksforskning
 Norsk Veterinærtidsskrift
 Oceanologica Acta
 Organic Geochemistry
 Österreichische Zeitschrift für Pilzkunde
 Pakistan Journal of Biochemistry
 Pakistan Journal of Scientific and Industrial Research
 Paper - American Society of Agricultural Engineers
 Peanut Science
 Pest Control
 Pesticide Science
 Pesticides in soils and water: current perspectives
 Pflanzenschutz (Wien)
 Philippine Agriculturist
 Philippine Journal of Science
 Physiological and Molecular Plant Pathology
 Phytoparasitica
 Phytopathology
 Pirtferm Papers. Series A
 Plant and Soil
 Plant Disease
 Plant Disease Research
 Plant Pathology
 Plant Protection News
 Planters' Bulletin Rubber Research Institute of Malaysia
 Pochvovedenie
 Polar Biology
 Postharvest Biology and Technology
 Postharvest News and Information
 Potato Research
 Potravínářské Vědy
 Poultry Adviser
 Poultry Science
 Proceedings of the Florida State Horticultural Society
 Proceedings of the Indian National Science Academy. Part B, Biological Sciences
 Proceedings of the Louisiana Academy of Sciences
 Process (Rennes)
 Process Biochemistry
 Progressive Fish-Culturist
 Przemysł Spożywczy
 PSP Pflanzenschutz Praxis
 Ptísevodstvo
 Pure and Applied Chemistry
 Rapport - TrátekníkCentrum
 Recueil de Médecine Vétérinaire
 Reports of Research Laboratory - Technical Research Institute, Snow Brand Milk Products Co.
 Reports of the Tottori Mycological Institute
 Research Bulletin of Obihiro University, I
 Research in Microbiology
 Resources, Conservation and Recycling
 Review of Research Work at the Faculty of Agriculture, Belgrade
 Reviews of Environmental Contamination and Toxicology
 Revista Biología (Habana)
 Revista Brasileira de Ciência do Solo
 Revista Cubana de Alimentación y Nutrición
 Revista de Microbiología
 Revista de Saúde Pública
 Revista Iberoamericana de Micología
 Revue de Médecine Vétérinaire
 Revue Internationale d'Oceanographie Médicale
 Revue Scientifique et Technique - Office International des Épidémies
 Rivista della Società Italiana di Scienza dell'Alimentazione
 Russian Biotechnology
 Russian Journal of Ecology
 Russian Journal of Marine Biology
 SA Waterbulletin
 Salud Pública de México
 Schweizerische Zeitschrift für Forstwesen
 Science of the Total Environment
 Sciences des Aliments
 Scientific Horticulture
 Seed Science and Technology
 Seibutsu-kogaku Kaishi
 SGM Quarterly
 Shell Agriculture
 Shokuhin Eiseigaku Zasshi = Journal of the Food Hygienic Society of Japan
 SIK Rapport
 Soil Biology & Biochemistry
 Soil Science
 Soil Science and Plant Nutrition
 Soil Science Society of America Journal
 South African Journal of Animal Science
 South African Journal of Science
 Soviet Biotechnology
 Spectra 2000
 Spill Technology Newsletter
 Studijní Informace - Rostlinna Výroba
 Svensk Veterinärartidning
 Swedish Journal of Agricultural Research
 Tappi Journal
 Techniques Sciences Methodes
 Técnica Molitoria
 Thermochimica Acta
 Toxicology Letters
 Toxicon (Oxford)
 Transactions of the ASAЕ
 Transactions of the Japanese Society of Irrigation, Drainage and Reclamation Engineering
 Transactions of the Mycological Society of Japan
 Trends in Biotechnology
 Trends in Food Science & Technology
 Tropical Agriculture Research Series
 Tropical Science
 Vår Föda
 Vatten
 Verband Deutscher Landwirtschaftlicher Untersuchungs- und Forschungsanstalten Reihe Kongressberichte
 Vestnik Sel'skokhozyaistvennoi Nauki (Moskva)
 Veterinariya (Moskva)
 Veterinářství
 Veterinary and Human Toxicology

Voedingsmiddelen Technologie
Vom Wasser
Waste Management & Research
Water Engineering & Management
Water Environment Research
Water Pollution Research Journal of Canada
Water Research (Oxford)
Water Resources
Water Resources Bulletin
Water Resources Investigations Report, US Geological Survey
Water Resources Research
Water SA
Water Science and Technology
Water Supply Papers - US Geological Survey
Water, Air, and Soil Pollution
Weed Research (Oxford)
Wood and Fiber Science
Wool Technology and Sheep Breeding
World Journal of Microbiology & Biotechnology
World Water and Environmental Engineer
Zashchita Rastenij (Moskva)
Zeitschrift für Lebensmittel-Untersuchung und -Forschung
Zeitschrift für Naturforschung. Section C, Biosciences
Zeitschrift für Pflanzenkrankheiten und Pflanzenschutz
Zentralblatt für Mikrobiologie
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The PHTM database is produced by the Bureau of Hygiene and Tropical Diseases, which was incorporated into CABI in March 1993.

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International Institute of Entomology
56 Queen's Gate, London, SW7 5JR, UK, and in the Natural History Museum

International Institute of Parasitology
395a Hatfield Road, St Albans, Herts AL4 0XU, UK

International Mycological Institute
Bakeham Lane, Egham, Surrey TW20 9TY, UK

International Institute of Biological Control
Silwood Park, Buckhurst Road, Ascot, Berks SL5 7TA, UK, with field stations in Trinidad & Tobago, Switzerland, Pakistan, Malaysia and Kenya.

The services provided include:

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- survey and diagnosis of plant health problems
- support for integrated pest management, with emphasis on biological control
- biosystematic research on arthropods, micro-organisms, nematodes and helminths
- diagnosis of biodeterioration problems for industry
- research on human mycoses and tropical parasitic diseases
- training, consultancy and advice in all these areas

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